STIC Search Report
EIC 2100

STIC Database Tracking Number: 127718

TO: Leslie Wong **Location:** **Art Unit : 2177** **Thursday, July 22, 2004** **Case Serial Number: 09/932579**	**From: Carol Wong** **Location: EIC 2100** **PK2-4B33** **Phone: 305-9729** **carol.wong@uspto.gov**

Search Notes

Dear Examiner Wong,

Attached are the search results (from commercial databases) for your case.

Pls review all documents, since untagged items might also be of interest. If you wish to order the complete text of any document, pls submit request(s) directly to the EIC2100 Reference Staff located in PK2-4B40.

Pls call if you have any questions or suggestions for additional terminology, or a different approach to searching the case. Finally, pls complete the attached Search Results Feedback Form, as the EIC/STIC is continually soliciting examiners' opinion of the search service.

Thanks,
Carol

Leslie:
Did not find anything that appeared to be relevant. Tagged items are the applicants' patents.

STIC EIC 2100 Search Request Form

~~2570~~ 12771 8

Today's Date: 7/21/04

What date would you like to use to limit the search?

Priority Date: 8/18/2000 Other:

Name Leslie Wong

AU 277 Examiner # 78953

Room # 4D41 Phone 5-3018

Serial # 09/932,579

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

A file server system that has a separate space portion reserved fo files having extra long operations such as deletion or truncation of big files. (i.e., zombie space – user can't access).

The system would link the identified file to a zombie space in order to perform deletion/truncation operation

4 See attached East search

STIC Searcher C. Wong Phone 305-9728

Date picked up 7-21-04 Date Completed 9-22-04

Search and Information Resources Administration

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File 347:JAPIO Nov 1976-2004/Mar(Updated 040708)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200446
         (c) 2004  Thomson Derwent
? ds

Set     Items   Description
S1     124263   FILE? ? OR FILESPACE? OR FILESYSTEM?
S2     124762   FILE?
S3     342733   ACCESS OR ACCESSE? ? OR ACCESSING OR ACCESSIB?
S4       4657   INACCESS? OR UNACCESS? OR NONACCESS? OR ACCESSLESS?
S5         46   S1:S2(5N)(ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?)
S6       7224   S1:S2(5N)S3:S4
S7       1811   CHECKPOINT? OR CONSISTENCYPOINT? OR (CHECK OR CONSISTENCY)-
              ()POINT? ?
S8      17781   TIME(3N)(CONSUME? ? OR CONSUMING OR CONSUMPT?) OR TIMECONS-
              UM?
S9      22746   (OPERATION? ? OR PROCESS??? ?)(3N)(LENGTHY? OR LENGTHI? OR
              LONG OR EXTRALONG OR PROLONG? OR EXTENSIVE? OR ELONGAT? OR PR-
              OTRACT? OR EXTENDED)
S10    856635   TRUNCAT? OR DELET? OR PURG??? ? OR ELIMINAT?
S11     32342   ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?
S12      2425   S8(3N)(OPERATION? ? OR PROCESS??? ?)
S13        15   S6 AND S11
S14       312   S1:S2 AND (S9 OR S12)
S15        38   S14 AND S10
S16         1   S14 AND S7
S17         3   S14 AND S11
S18         0   S15 AND S7
S19        54   S13 OR S15 OR S16:S17
S20        54   IDPAT (sorted in duplicate/non-duplicate order)
S21        53   IDPAT (primary/non-duplicate records only)
? t21/9/2,11-13,15,24-25,29,39

 21/9/2     (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004  Thomson Derwent. All rts. reserv.

016316025    **Image available**
WPI Acc No: 2004-473920/200445
XRPX Acc No: N04-374841
  Database management method in online, involves reorganizing buffer in
  which deletion of file is completed, to separate buffer, when file
  deletion requirement is input
Patent Assignee: HITACHI LTD (HITA )
Number of Countries: 001  Number of Patents: 001
Patent Family:
Patent No     Kind   Date    Applicat No    Kind   Date     Week
JP 2004185344  A   20040702  JP 2002351923   A   20021204  200445  B

Priority Applications (No Type Date): JP 2002351923 A 20021204
Patent Details:
Patent No  Kind Lan Pg   Main IPC    Filing Notes
JP 2004185344 A      7 G06F-012/00

Abstract (Basic): JP 2004185344 A
        NOVELTY - The buffer in which a file deletion operation is
    completed, is reorganized into a separate buffer, when a file
    deletion requirement is input.
        DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a
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database management device.
USE - for database management in online.
ADVANTAGE - Prevents fragmentation of shared memory. Enables **long** time **operation** of a database system, when a database is reorganized in online.
DESCRIPTION OF DRAWING(S) - The figure shows the structure of a buffer before and after reorganization process. (Drawing includes non-English language text).
buffer before reorganization (101)
buffer after reorganization (102)
table before reorganization (103)
buffer management function (105)
sharing memory before reorganization (106)
file before reorganization (107)
table after reorganization (109)
sharing memory after reorganization (110)
file after reorganization (111)
pp; 7 DwgNo 1/7
Title Terms: DATABASE; MANAGEMENT; METHOD; BUFFER; **DELETE** ; **FILE** ; COMPLETE; SEPARATE; BUFFER; **FILE** ; **DELETE** ; REQUIRE; INPUT
Derwent Class: T01
International Patent Class (Main): G06F-012/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-H

21/9/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014996359 **Image available**
WPI Acc No: 2003-056874/200305
XRPX Acc No: N03-043953
Database object reorganization method involves using shadow **names different from source names to** access **database** files **upon reorganizing data in** shadow **copies of source database files**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: TENG J Z; TODD J J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6460048	B1	20021001	US 99311075	A	19990513	200305	B

Priority Applications (No Type Date): US 99311075 A 19990513
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6460048	B1		10	G06F-017/00	

Abstract (Basic): US 6460048 B1
NOVELTY - The source database files having source names, are provided with the database object reorganization data. The **shadow** names different from the source names, are generated for the **shadow** copies of the source database files. The data in the **shadow** copies are recognized and the **shadow** names are used to **access** the reorganized database **files** .
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
(1) Database object reorganization system; and
(2) Article of manufacture comprising computer readable medium for storing database object reorganizing program.

USE - For reorganizing database object such as table spaces, index spaces, tables, indexes for reservation system, global finance, process control, hospital, police and armed force.

ADVANTAGE - Minimizes the time during which the databases are inaccessible, by avoiding the step of renaming the reorganized copies of the database files to the source names of the database files.

DESCRIPTION OF DRAWING(S) - The figure shows the logic flow diagram explaining the process of naming the files during reorganization of the database object.

pp; 10 DwgNo 2/2

Title Terms: DATABASE; OBJECT; METHOD; **SHADOW** ; NAME; SOURCE; NAME; ACCESS ; DATABASE; FILE; DATA; **SHADOW** ; COPY; SOURCE; DATABASE; FILE

Derwent Class: S05; T01

International Patent Class (Main): G06F-017/00

International Patent Class (Additional): G06F-007/00

File Segment: EPI

Manual Codes (EPI/S-X): S05-G02G2; T01-J05B4C; T01-J05B4M; T01-J06A1; T01-S03

21/9/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014762461 **Image available**

WPI Acc No: 2002-583165/200262

Related WPI Acc No: 2002-339696

XRPX Acc No: N02-462528

File **system operating method for** file **server system, involves recording changes to the** zombie file **space of a** file **system in a persistent memory**

Patent Assignee: CHEN R C (CHEN-I); EDWARDS J (EDWA-I); PATEL K (PATE-I)

Inventor: CHEN R C; EDWARDS J; PATEL K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020083081	A1	20020627	US 2000642066	A	20000818	200262	B
			US 2001932579	A	20010817		

Priority Applications (No Type Date): US 2001932579 A 20010817; US 2000642066 A 20000818

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020083081	A1		14	G06F-012/00	CIP of application US 2000642066

Abstract (Basic): US 20020083081 A1

NOVELTY - The method involves recording changes to the **zombie file** space of a **file** system in a persistent memory.

USE - For **file** server system.

ADVANTAGE - Enables reliable execution of extra- **long operations** in a **file** system.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a portion of a **file** system.

pp; 14 DwgNo 1/5

Title Terms: **FILE** ; SYSTEM; OPERATE; METHOD; **FILE** ; SERVE; SYSTEM; RECORD ; CHANGE; **FILE** ; SPACE; **FILE** ; SYSTEM; PERSISTENT; MEMORY

Derwent Class: T01

International Patent Class (Main): G06F-012/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-F05E; T01-N02A3C

21/9/13 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014621696 **Image available**
WPI Acc No: 2002-442400/200247
Related WPI Acc No: 2001-089834; 2001-528896; 2002-507347; 2003-657437
XRPX Acc No: N02-348396

Register set storing and loading method for very long instruction word digital signal processors, involves configuring DMA/DRA controller for transferring data between register set in shadow state and memory buffer area

Patent Assignee: MICRON TECHNOLOGY INC (MICR-N)
Inventor: DOWLING E M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6370640	B1	20020409	US 9754484	P	19970801	200247	B
			US 97989732	A	19971212		
			US 2000649152	A	20000828		

Priority Applications (No Type Date): US 9754484 P 19970801; US 97989732 A 19971212; US 2000649152 A 20000828
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6370640	B1		24	G06F-009/40	Provisional application US 9754484 Div ex application US 97989732 Div ex patent US 6128728

Abstract (Basic): US 6370640 B1

NOVELTY - A direct memory access/direct register access (DMA/DRA) controller is configured to transfer data between resister set (140) operating in the **shadow** state and a buffer area in memory where register set operating in the **shadow** state is not responsive to processor (110) instructions, for data transfer.

USE - For processors comprising register set in an active state responsive to processor instructions and another register set in a **shadow** state not responsive to processor instructions. Used for microprocessor architectures e.g. superscalar reduced instruction set architecture (RISC) **processors** and very **long** instruction word (VLIW) digital signal processors (DSPs).

ADVANTAGE - The register window system accelerates task switching in processor. The DMA/DRA controller accelerates register set save and restore operations for subroutine procedure calls and returns. Overheads associated with context switching is largely **eliminated** by the real-time operating system.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram illustrating a processor with a **shadow** register **file** .

Processor (110)
Register set (140)
pp; 24 DwgNo 1/10

Title Terms: REGISTER; SET; STORAGE; LOAD; METHOD; LONG; INSTRUCTION; WORD; DIGITAL; SIGNAL; PROCESSOR; DMA; CONTROL; TRANSFER; DATA; REGISTER; SET; **SHADOW** ; STATE; MEMORY; BUFFER; AREA
Derwent Class: T01
International Patent Class (Main): G06F-009/40
International Patent Class (Additional): G06F-009/46
File Segment: EPI
Manual Codes (EPI/S-X): T01-H05B2; T01-J08A2; T01-M02C2

21/9/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014518993 **Image available**
WPI Acc No: 2002-339696/200237
Related WPI Acc No: 2002-583165
XRPX Acc No: N02-267123

File **system operating method where** file **system includes live** file **space** accessible **to users and** zombie file **space not** accessible **to users recording changes to** zombie file **space in persistent memory**

Patent Assignee: NETWORK APPLIANCE INC (NETW-N)
Inventor: CHEN R; EDWARDS J K; PATEL K
Number of Countries: 021 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200219110	A2	20020307	WO 2001US25901	A	20010817	200237	B
EP 1311948	A2	20030521	EP 2001964187	A	20010817	200334	
			WO 2001US25901	A	20010817		
US 6751635	B1	20040615	US 2000642066	A	20000818	200439	

Priority Applications (No Type Date): US 2000642066 A 20000818
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200219110	A2	E	27	G06F-011/00	
	Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR				
EP 1311948	A2	E		G06F-011/14	Based on patent WO 200219110
	Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR				
US 6751635	B1			G06F-017/30	

Abstract (Basic): WO 200219110 A2

NOVELTY - The method involves recording changes to a **zombie file** space in a persistent memory. The method further involves transferring a **file** from live **file** space to the **zombie file** space. Links associating disk blocks with the **file** are broken in several steps while the **file** is associated with the **zombie file** space. The recording of changes includes recording the breaking of links in several steps. The live **file** space is altered to reflect the **deletion** operation.

USE - For **file** server systems in which it is desired to maintain **file** system consistency.

ADVANTAGE - Provides technique for extra- **long operations** in a reliable state-full system (such as a **file** system) that is not subject to known drawbacks.

DESCRIPTION OF DRAWING(S) - The figure shows a **file** structure in a system using a **zombie file** space.

pp; 27 DwgNo 2/5

Title Terms: **FILE** ; SYSTEM; OPERATE; METHOD; **FILE** ; SYSTEM; LIVE; **FILE** ; SPACE; ACCESS; USER; **FILE** ; SPACE; ACCESS; USER; RECORD; CHANGE; **FILE** ; SPACE; PERSISTENT; MEMORY
Derwent Class: T01
International Patent Class (Main): G06F-011/00; G06F-011/14; G06F-017/30
File Segment: EPI
Manual Codes (EPI/S-X): T01-F05E; T01-J05B2B

21/9/24 (Item 24 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012907808 **Image available**
WPI Acc No: 2000-079644/200007
XRPX Acc No: N00-062909
Increment file system for financial data processing - has file access redirector to direct access to original file based on delta file stored on one memory area
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: TESTARDI R P
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11327981	A	19991130	JP 9990908	A	19990331	200007	B
US 6374268	B1	20020416	US 9860284	A	19980414	200232	

Priority Applications (No Type Date): US 9860284 A 19980414
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11327981	A		18	G06F-012/00	
US 6374268	B1			G06F-017/30	

Abstract (Basic): JP 11327981 A
NOVELTY - A file generation interceptor intercepts the **file** generation demand containing the **access** mode sign directed to original **file** stored on one memory area as a base set. A **file access** redirector directs the **access** to original **file** according to delta file stored on another memory area.
USE - For share access of financial data and during software development etc.
ADVANTAGE - Since the **file access** demand is forced to original **file** or **shadow file** depending on **access** mode, any change in a part of file is stored automatically and the link between changed file and original file is not changed. Memory needed in each session is reduced and the possibility of error due to manual calculation is reduced. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of data processing system with IPS.
Dwg.1/5
Title Terms: INCREMENT; FILE; SYSTEM; FINANCIAL; DATA; PROCESS; FILE; ACCESS; DIRECT; ACCESS; ORIGINAL; FILE; BASED; DELTA; FILE; STORAGE; ONE; MEMORY; AREA
Derwent Class: T01
International Patent Class (Main): G06F-012/00; G06F-017/30
File Segment: EPI
Manual Codes (EPI/S-X): T01-H

21/9/25 (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012587894 **Image available**
WPI Acc No: 1999-394001/199933
XRPX Acc No: N99-294425
Automatic format conversion method in multiuser networks
Patent Assignee: UNISYS CORP (BURS)
Inventor: GUCK R L
Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5911776	A	19990615	US 96768387	A	19961218	199933	B

Priority Applications (No Type Date): US 96768387 A 19961218
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5911776	A		21	G06F-017/30	

Abstract (Basic): US 5911776 A

NOVELTY - A specified format source file is created as an object in database. **Shadow** files, each having converter, are then established as database objects. The converters transform the source file contents into a format desired by the client.

DETAILED DESCRIPTION - All formats used by the appliances connected to the network have dedicated **shadow** files. The virtual file system, comprising source file, **shadow** files and converters, is created using the multipurpose Internet mail extensions (MIME) types and subtypes. An INDEPENDENT CLAIM is also included for a multiuser clients supporting system.

USE - For converting the texts or graphics created by an author into a format suitable for client users and also for providing telephone receipts, facsimile receipts, interactive voice and mail receipts.

ADVANTAGE - By performing automatic format conversion a single source **file** is **accessed** by multiple users in the desired formats. Original information in source file is selectively put through any one of **shadow** files and converts which provide property formatted content to requesting caller without any further delays or necessity on part of requesting caller to access other software operators. By using virtual multimedia file system additional information that is not held by system level file is stored thereby enforces greater security control and automatically manage versions involved. The virtual files content is represented in large number of ways for example, the content is stored as stream of bytes for normal files or modeled as network of semantic objects of synthesized on-the-fly from dynamic parameters. Virtual file as data base object possesses encapsulated behavior which is used to process the file. Virtual file as resident in database, facilitates recovery administered with content objects using common set of tools and procedures. Although the virtual files are abstract objects they are based on well known file paradigm which allows them to the easily **accessible** via **file** oriented protocol such as programmatic application program interfaces.

DESCRIPTION OF DRAWING(S) - The figure depicts the overall network diagram showing the inter related modules which utilize the automatic format conversion method.

pp; 21 DwgNo 1/8

Title Terms: AUTOMATIC; FORMAT; CONVERT; METHOD; NETWORK
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05B

21/9/29 (Item 29 from file: 350)

010743958 **Image available**
WPI Acc No: 1996-240913/199625
XRPX Acc No: N96-201648

Data processing system with network independent file shadowing **- stores automatically and transparently** shadow **copies of remote** file **system structures when** accessed **by computer in** shadow **database residing within local memory of computer**

Patent Assignee: MICROSOFT CORP (MICR-N)
Inventor: PARDIKAR S
Number of Countries: 005 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 713183	A2	19960522	EP 95117949	A	19951114	199625	B
EP 713183	A3	19961002	EP 95117949	A	19951114	199645	
JP 8255106	A	19961001	JP 95337634	A	19951120	199649	
US 5721916	A	19980224	US 94342127	A	19941118	199815	
			US 97832313	A	19970226		

Priority Applications (No Type Date): US 94342127 A 19941118; US 97832313 A 19970226
Cited Patents: No-SR.Pub; 4.Jnl.Ref
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 713183	A2	E	16	G06F-017/30	
Designated States (Regional): DE FR GB					
JP 8255106	A		40	G06F-012/00	
US 5721916	A		15	G06F-015/163	Cont of application US 94342127
EP 713183	A3			G06F-017/30	

Abstract (Basic): EP 713183 A

The system has a computer with a memory store connected to the different type networks (14 and 16) each having store **file** system structures. **Access** is provided to one **file** system structure from one of the networks when the computer is disconnected from one of the networks. When the computer is connected to a selected network and a program is running on the computer a request is received from the program to **access** a selected **file** system structure stored on the selected network.

In response to the request a **shadow** copy of the selected file system structure relative to the program is transparently obtained. The **shadow** copy of the selected file system structure is stored in a **shadow** database on the memory store (26) which holds the file system structure connected to the selected network.

ADVANTAGE - Allows **access** to **file** system structure from network when computer is disconnected from network.

Dwg.1/9

Abstract (Equivalent): US 5721916 A

The system has a computer with a memory store connected to the different type networks (14 and 16) each having store **file** system structures. **Access** is provided to one **file** system structure from one of the networks when the computer is disconnected from one of the networks. When the computer is connected to a selected network and a program is running on the computer a request is received from the program to **access** a selected **file** system structure stored on the selected network.

In response to the request a **shadow** copy of the selected file system structure relative to the program is transparently obtained. The **shadow** copy of the selected file system structure is stored in a **shadow** database on the memory store (26) which holds the file system structure connected to the selected network.

ADVANTAGE - Allows **access** to **file** system structure from network when computer is disconnected from network.

Dwg.2/9

Title Terms: DATA; PROCESS; SYSTEM; NETWORK; INDEPENDENT; FILE; **SHADOW** ; STORAGE; AUTOMATIC; TRANSPARENT; **SHADOW** ; COPY; REMOTE; FILE; SYSTEM; STRUCTURE; ACCESS; COMPUTER; **SHADOW** ; DATABASE; LOCAL; MEMORY; COMPUTER
Derwent Class: T01
International Patent Class (Main): G06F-012/00; G06F-015/163; G06F-017/30
International Patent Class (Additional): G06F-013/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-J05B4; T01-M02A1

21/9/39 (Item 39 from file: 350)
DIALOG(R)File 350:Derwent WPIX

007051764
WPI Acc No: 1987-051761/198708
XRPX Acc No: N87-039235
Programmable digital data processor - has independent instruction pipelines and vector file memory organisation using file storage segments
Patent Assignee: SPERRY CORP (SPER); UNISYS CORP (BURS)
Inventor: LAHTI A E
Number of Countries: 012 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 211613	A	19870225	EP 86305863	A	19860730	198708	B
US 4875161	A	19891017	US 88273173	A	19881114	198951	

Priority Applications (No Type Date): US 85761137 A 19850731
Cited Patents: 1.Jnl.Ref; A3...8919; EP 138451; EP 55579; No-SR.Pub; US 3668644
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 211613	A	E	116		
Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE					
US 4875161	A		58		

Abstract (Basic): EP 211613 A
Each file of the vector file memory organisation includes two similar numbers of n independent memory segments. Each of the segments comprises a number of memory elements (256x4 bit ram) and is arranged to store corresp. pairs of words in such a way that the elements of the first segment hold the first word pair, the n+1 word pair, the 2n +1 word pair and so on.
The elements of the second segment hold the second word pair the n+2 word pair, the 2n+2 word pair, and similarly for the remaining segments.
ADVANTAGE - Has data transfer capability which is adequate to support multiple program execution pipelines with processor and enables multiple pipelines to simultaneously **access** various blocks of overall vector **file** .
4/24
Abstract (Equivalent): US 4875161 A
Multiple pipelines can simultaneously **access** various blocks of the vector **file** through segmenting the file storage and by addressing the various elements of the segments. Vector files of programmable registers each have storage for sixty-four elements of 36-bit words of thirty-two elements of 64-bit words. Six independent execution pipelines in combination can programmably **access** the vector **files** for either read operands or write operands or both. Each vector file has N independent blocks, each using a RAM with read output to the

pipelines, an address register and a write data register. Each block holds interspersed word pairs of words of each vector file. Primary and secondary vector files are equal in capability and allow reading pairs of elements, as required by arithmetic instructions. **Shadow** storage similarly arranged and addressed provides storages for intermediate result vectors.

A time slot management mechanism uses N registers connected in serial loop, to allocate and reserve **access** to the vector **files** by the execution pipe for each instruction execution to maintain its function. It forms a read or write address for both the primary and secondary files and references all N blocks in a pass.

USE - Vector file organisation for multiple pipelined vector processor with data transfer capability to support multiple program execution pipelines. (58pp

Title Terms: PROGRAM; DIGITAL; DATA; PROCESSOR; INDEPENDENT; INSTRUCTION; PIPE; VECTOR; FILE; MEMORY; ORGANISE; FILE; STORAGE; SEGMENT
Derwent Class: T01
International Patent Class (Additional): G06F-009/38; G06F-012/06; G06F-015/34
File Segment: EPI
Manual Codes (EPI/S-X): T01-F03B; T01-J04
? t21/9/50

21/9/50 (Item 50 from file: 347)
DIALOG(R)File 347:JAPIO

02816236 **Image available**
TRANSACTION PROCESSING SYSTEM

PUB. NO.: 01-113836 [JP 1113836 A]
PUBLISHED: May 02, 1989 (19890502)
INVENTOR(s): KANAI TEIZABURO
TSUBOI TOSHIAKI
KITAJIMA HIROYUKI
SUMIYOSHI TAKASHI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
HITACHI MICRO COMPUT ENG LTD [470864] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 62-270220 [JP 87270220]
FILED: October 28, 1987 (19871028)
INTL CLASS: [4] G06F-011/00; G06F-011/34; G06F-015/00
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units); 45.4 (INFORMATION PROCESSING -- Computer Applications)
JOURNAL: Section: P, Section No. 914, Vol. 13, No. 355, Pg. 29, August 09, 1989 (19890809)

ABSTRACT

PURPOSE: To assure the fast recovery of a transaction processing system when the system working is stopped by a fault by using the unreplaced information on a transaction acquired in an area of a nonvolatile memory to recover the system in case the transaction under execution is not completed yet at the **check point** processing time.

CONSTITUTION: The system working is stopped due to a fault after the time point T3 and the transactions C, E and F are kept uncompleted. Under such conditions, the information on the residence tables, etc., which are replaced by transactions C and E in the system recovery processing are recovered to their unreplaced states by means of the unreplaced information on said transactions C and E stored in a back-out **file** 40. Thus it is possible to recover the system when the working of the system is stopped by

a fault without causing the increase of overhead at acquisition of the CD information despite the presence of a long transaction that requires the long processing time.

File 348:EUROPEAN PATENTS 1978-2004/Jul W02
(c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040715,UT=20040708
(c) 2004 WIPO/Univentio

Set	Items	Description
S1	806360	FILE? ? OR FILESPACE? OR FILESYSTEM?
S2	810268	FILE?
S3	330751	ACCESS OR ACCESSE? ? OR ACCESSING OR ACCESSIB?
S4	11548	INACCESS? OR UNACCESS? OR NONACCESS? OR ACCESSLESS?
S5	204	S1:S2(5N)(ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?)
S6	13010	S1:S2(5N)S3:S4
S7	3501	CHECKPOINT? OR CONSISTENCYPOINT? OR (CHECK OR CONSISTENCY)-()POINT? ?
S8	76815	TIME(3N)(CONSUME? ? OR CONSUMING OR CONSUMPT?) OR TIMECONSUM?
S9	40375	(OPERATION? ? OR PROCESS??? ?)(3N)(LENGTHY? OR LENGTHI? OR LONG OR EXTRALONG OR PROLONG? OR EXTENSIVE? OR ELONGAT? OR PROTRACT? OR EXTENDED)
S10	539272	TRUNCAT? OR DELET? OR PURG??? ? OR ELIMINAT?
S11	54932	ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?
S12	15227	S8(3N)(OPERATION? ? OR PROCESS??? ?)
S13	27	S6(15N)S11
S14	650	S1:S2(25N)(S9 OR S12)
S15	26	S14(25N)S10
S16	3	S14(25N)S7
S17	5	S14(25N)S11
S18	57	S13 OR S15:S17
S19	9199	IC='G06F-011'
S20	45356	IC='G06F-017'
S21	6971	IC='G06F-012'
S22	29	S18 AND S19:S21
S23	29	IDPAT (sorted in duplicate/non-duplicate order)
S24	29	IDPAT (primary/non-duplicate records only)
S25	28	S18 NOT S24
S26	28	IDPAT (sorted in duplicate/non-duplicate order)
S27	28	IDPAT (primary/non-duplicate records only)

24/5,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01091985
Method for characterizing and visualizing patterns of usage of a web site by network users
Verfahren zum Bestimmen und Sichtbarmachen von Mustern im Benutzergebrauch eines Web-Sites
Methode pour caracteriser et visualiser des motifs dans l'utilisation d'un site Web par des utilisateurs du reseau
PATENT ASSIGNEE:
LUCENT TECHNOLOGIES INC., (2143720), 600 Mountain Avenue, Murray Hill, New Jersey 07974-0636, (US), (Applicant designated States: all)
INVENTOR:
Hansen, Mark Henry, 940 Bloomfield Street, Apt. No. 2, Hoboken, New Jersey 07030, (US)
Sweldens, Wim, 29 Morehouse Place, New Providence, New Jersey 07974, (US)
LEGAL REPRESENTATIVE:
Buckley, Christopher Simon Thirsk et al (28912), Lucent Technologies (UK) Ltd, 5 Mornington Road, Woodford Green, Essex IG8 0TU, (GB)
PATENT (CC, No, Kind, Date): EP 959419 A2 991124 (Basic)
EP 959419 A3 030102
APPLICATION (CC, No, Date): EP 99303604 990510;
PRIORITY (CC, No, Date): US 82792 980521
DESIGNATED STATES: DE; ES; FR; GB; IT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-017/30** ; H04L-029/06

ABSTRACT EP 959419 A2
A system is disclosed for displaying information pertaining to the usage of Web pages. The system comprises first and second Web sites (25,20). The first Web site (25) comprises plural Web-component files, each having a name in a Web-site directory. The second Web site (20) comprises plural statistics files, each containing usage information about a corresponding Web-component file or sub-directory of Web-component files. The system further comprises a computing device that has a display screen (30), is operable by a user, and is in communication with the first and second Web sites. The computing device is operated under the control of Web-browser software effective for displaying (35,42), on the screen, Web components of the respective Web sites. Significantly, the computing device is effective for requesting and retrieving, from either of the Web sites, data that correspond to user-designated Web components, and it is effective for directing a data request to either of the Web sites in response to user-designation of a Web component from the other Web site.
ABSTRACT WORD COUNT: 169
NOTE:
Figure number on first page: 1B

LEGAL STATUS (Type, Pub Date, Kind, Text):
Search Report: 030102 A3 Separate publication of the search report
Application: 991124 A2 Published application without search report
Examination: 030514 A2 Date of dispatch of the first examination report: 20030326
Examination: 991124 A2 Date of request for examination: 19990520
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9947	1015

SPEC A (English) 9947 5481
Total word count - document A 6496
Total word count - document B 0
Total word count - documents A + B 6496

INTERNATIONAL PATENT CLASS: **G06F-017/30 ...**

...SPECIFICATION database affords immediate access to all the hits to a particular Web component, by simply **accessing** the corresponding **file** .

The process described above for building the **shadow** directory may in some cases be undesirably slow because it calls for shadow-directory files...

24/5,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01048357
Methods and apparatus for high-speed access to and sharing of storage devices on a networked digital data processing system
Verfahren und Gerat fur schnellen Zugriff auf und Verteilung von Speichergeraten in einem vernetzten digitalen Datenverarbeitungssystem
Procede et dispositif pour acceder rapidement aux et distribuer les dispositifs de stockage dans un systeme de traitement de donnees numeriques connecte en form
PATENT ASSIGNEE:
Mercury Computer Systems, Inc., (2571870), 199 Riverneck Road, Chelmsford, Massachusetts 01824, (US), (applicant designated states: AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Stakutis, Christopher J., 85 Partridge Lane, Concord, MAssachusetts 01742 , (US)
Stearns, Kevin M., 272 Albion Street, Apt. 17, Wakefield, Massachusetts 01880, (US)
LEGAL REPRESENTATIVE:
Greenwood, John David et al (56695), Graham Watt & Co. Riverhead, Sevenoaks Kent TN13 2BN, (GB)
PATENT (CC, No, Kind, Date): EP 927942 A2 990707 (Basic)
APPLICATION (CC, No, Date): EP 98307042 980902;
PRIORITY (CC, No, Date): US 2266 971231
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **G06F-017/30**

ABSTRACT EP 927942 A2
The invention provides a digital data processing system with improved access to information stored on a peripheral device. The system has a plurality of nodes (12 TO 24), a peripheral device, a file system and a bypass mechanism. A first node (16) (e.g. a client node) is connected to a second node (18) (e.g. a server node) over a first communications pathway (26) (e.g. a network). The second node (18) is itself connected to a peripheral device (36) (e.g. a disk drive) over a second communications pathway. The first node (16), too, is connected to the peripheral device (36) over a third communications pathway. The file system, executing on the first and second nodes, is capable of responding to access requests generated by the first node for transferring data between that node and the peripheral device, via the second node and via the first and second communications pathways. The file system also

maintains administrative information pertaining to storage on the peripheral device of data designated by such requests. That information includes, for example, physical storage location mappings for files and other data stored on the peripheral device. The bypass mechanism, which executes on at least the first node, intercedes in the response to at least selected input/output, or access, requests generated by that node. The bypass transfers data designated by such requests between the first node and the peripheral device over the third communications pathway, in lieu of transferring that data via the second node and the first and second communications pathways. Such transfers by the bypass, however, are made using the administrative information maintained by the file system relating to storage of such data on the peripheral device (36).
ABSTRACT WORD COUNT: 281

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 990707 A2 Published application (A1with Search Report ;A2without Search Report)
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9927	2741
SPEC A	(English)	9927	5765
Total word count - document A			8506
Total word count - document B			0
Total word count - documents A + B			8506

INTERNATIONAL PATENT CLASS: **G06F-017/30**

...SPECIFICATION request can be, for example, a file on the peripheral device (e.g., other than **file** to which the original **access** request was directed) or, preferably, a " **ghost** " file. A second bypass, executing on the second node and coupled to the file system...

24/5,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00758188
Network independent file shadowing
Netzwerkunabhangige Schattendateien
Fichiers d'ombre independants du reseau
PATENT ASSIGNEE:
MICROSOFT CORPORATION, (749861), One Microsoft Way, Redmond, Washington 98052-6399, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Pardikar, Shishir, 10823-179th Court N.E., Redmond, Washington 98052, (US)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 713183 A2 960522 (Basic)
EP 713183 A3 961002
APPLICATION (CC, No, Date): EP 95117949 951114;
PRIORITY (CC, No, Date): US 342127 941118
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-017/30** ; **G06F-012/08**

ABSTRACT EP 713183 A3
Network independent file shadowing is provided by the present

invention. The file **shadowing** mechanism automatically and transparently stores **shadow** copies of remote **file** system structures when they are **accessed** by a computer. The **shadow** copies of the file system structures are stored within a **shadow** database that resides within local memory of the computer. When the computer becomes disconnected from a network, **shadow** copies of file system structures for the network are used to service requests to **access** such **file** system structures. (see image in original document)

ABSTRACT WORD COUNT: 104

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	960522 A2	Published application (A1with Search Report ;A2without Search Report)
Change:	960918 A2	Obligatory supplementary classification (change)
Search Report:	961002 A3	Separate publication of the European or International search report
Examination:	970521 A2	Date of filing of request for examination: 970321

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1098
SPEC A	(English)	EPAB96	4761
Total word count - document A			5859
Total word count - document B			0
Total word count - documents A + B			5859

INTERNATIONAL PATENT CLASS: **G06F-017/30** ...

... **G06F-012/08**

...ABSTRACT A3

Network independent file shadowing is provided by the present invention. The file **shadowing** mechanism automatically and transparently stores **shadow** copies of remote **file** system structures when they are **accessed** by a computer. The **shadow** copies of the file system structures are stored within a **shadow** database that resides within local memory of the computer. When the computer becomes disconnected from a network, **shadow** copies of file system structures for the network are used to service requests to **access** such **file** system structures. (see image in original document) ...

...SPECIFICATION present invention relates generally to data processing systems and, more particularly, to network independent file **shadowing** .

Background of the Invention

One difficulty encountered with portable computers concerns **accessing** **files** when disconnected from a network. Most portable computers provide facilities for the portable computer to...

...the selected network. When the computer is disconnected from the selected network, a request to **access** the selected **file** system structure is received and the **shadow** copy of the selected file system structure that is stored in the shadow database is...

...system structure. In this method, when the computer is connected to the network, requests to **access** **file** structures of the networks are received and **shadow** copies of the file system structures for which

disconnected networks is received, accessing the **shadow** database to use a shadow copy of the selected file system structure stored therein to...holding shadow copies of selected file system structures from different types of networks; and

a **shadow** module for responding to a request to **access** one of the selected **file** system structures by **accessing** the **shadow** database to obtain a **shadow** copy of the one file system structure to service the request.

15. The computer system of claim 14, further comprising a shadow database builder for building the **shadow** database by storing **shadow** copies of the selected file system structures when the **file** system structures are **accessed** by the computer.
16. The computer system of claim 14, further comprising an agent for...

24/5,K/9 (Item 9 from file: 348)

00655721

Failure recovery for a distributed processing shared resource control.

Wiederherstellung nach Fehler bei einer gemeinsamen Betriebsmittelsteuerung in einer verteilten Verarbeitung.

Retablissement apres une defaillance pour une commande de ressources partagees pour un traitement distribue.

PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Forman, Ira Richard, 2100 Cyress Point East, Austin, Texas 78746, (US)
Madduri, Hari Haranath, 7004 Anaqua, Austin, Texas 78750, (US)
LEGAL REPRESENTATIVE:
Zerbi, Guido Maria et al (77893), Intellectual Property Department, IBM United Kingdom Ltd., Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 631233 A2 941228 (Basic)
EP 631233 A3 971015
APPLICATION (CC, No, Date): EP 94108854 940609;
PRIORITY (CC, No, Date): US 77230 930614
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-011/00** ; **G06F-011/20**

ABSTRACT EP 631233 A2

Communicating the failure of a master process controlling one or more shared resources to all processes sharing the resources. A shared resource control file is established that contains the identities of all sharing processes. Master process failure triggers a race to establish exclusive **access** over the shared control **file** . The new master reads **shadow** address data from the old shared control file, marks it as invalid and establishes a new control file based on renewed registrations from processes. The master process maintains the sharing process list as process begin and end sharing.

ABSTRACT WORD COUNT: 94

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	941228 A2	Published application (A1with Search Report ;A2without Search Report)
Examination:	950621 A2	Date of filing of request for examination: 950425
Change:	951227 A2	Representative (change)

Change: 960214 A2 Representative (change)
Change: 970924 A2 Obligatory supplementary classification (change)
Search Report: 971015 A3 Separate publication of the European or International search report
Withdrawal: 980211 A2 Date on which the European patent application was withdrawn: 971121
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	311
SPEC A	(English)	EPABF2	2253
Total word count - document A			2564
Total word count - document B			0
Total word count - documents A + B			2564

INTERNATIONAL PATENT CLASS: **G06F-011/00** ...

... **G06F-011/20**

...ABSTRACT the identities of all sharing processes. Master process failure triggers a race to establish exclusive **access** over the shared control **file** . The new master reads **shadow** address data from the old shared control file, marks it as invalid and establishes a...

...SPECIFICATION having a processor and memory, the system comprising:
means for detecting master failure by a **shadow** process;
means for requesting **access** to a resource control **file** ;
means for establishing exclusive **access** if said request is granted;
reading means for reading communications addresses of other processes accessing...requesting process is the master, it can directly access the resource, otherwise, it is a **shadow** process and must negotiate with the master for **access** 176.
The shared control **file** of the preferred embodiment is a storage file in the logical file system. As such...

...CLAIMS having a processor and memory, the system comprising:
means for detecting master failure by a **shadow** process;
means for requesting **access** to a resource control **file** ;
means for establishing exclusive **access** if said request is granted;
reading means for reading communications addresses of other processes accessing...

24/5,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00654402
LEGAL REPRESENTATIVE:
Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 629949 A3 971015 (Basic)
INTERNATIONAL PATENT CLASS: **G06F-011/00** ; **G06F-011/20**

ABSTRACT EP 629949 A2
Recovering from failure of a distributed processing system process designated as a master process for at least one shared resource. The

method and system of the invention provides for detection of the failure (200) by one or more of the shadow processes. The detecting process tests (202) to determine whether it has the shared write lock managed by the master process. If it does, it becomes the master process (204). If not, it determines from the shared control file which process holds the write lock (206) and it communicates to that process a request (208) to assume master process responsibilities. That process attempts to establish itself as master process (210). A test is performed (212) to determine if a new master process has been designated. If not, a race is conducted (214) between all shadow processes. (see image in original document)

ABSTRACT WORD COUNT: 143

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination:	950621	A2	Date of filing of request for examination: 950425
Change:	951227	A2	Representative (change)
Change:	960221	A2	Representative (change)
Change:	970924	A2	Obligatory supplementary classification (change)
Search Report:	971015	A3	Separate publication of the European or International search report
Withdrawal:	980304	A2	Date on which the European patent application was withdrawn: 980109

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	423
SPEC A	(English)	EPABF2	2394
Total word count - document A			2817
Total word count - document B			0
Total word count - documents A + B			2817

INTERNATIONAL PATENT CLASS: **G06F-011/00** ...
... **G06F-011/20**

...SPECIFICATION is the master 172, it can directly access the resource 174, otherwise, it is a **shadow** process and must negotiate with the master for **access** 176.

The shared control **file** of the preferred embodiment is a storage file in the logical file system. As such...

24/5,K/14 (Item 14 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

01103313 **Image available**

METHOD AND APPARATUS FOR SERVER SHARE MIGRATION AND SERVER RECOVERY USING HIERARCHICAL STORAGE MANAGEMENT

PROCEDE ET DISPOSITIF DE MIGRATION DE RESSOURCES PARTAGEES DE SERVEUR AU MOYEN D'UNE GESTION MEMOIRE HIERARCHIQUE

Patent Applicant/Assignee:
EXAGRID SYSTEMS INC, Suite 110, 2000 West Park Drive, Westborough, MA 01581, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:
THERRIEN David G, 6 Dustin Drive, Nashua, NH 03062, US, US (Residence), US (Nationality), (Designated only for: US)
POWNELL James E, 7 Coachman Lane, Natick, MA 01760, US, US (Residence), US (Nationality), (Designated only for: US)
VANDERSPEK Adrian, 96 Sagamore Road, Worcester, MA 01609, US, US

(Residence), US (Nationality), (Designated only for: US)
KENNA Herman Robert, 187 West Bare Hill Road, Harvard, MA 01451, US, US (Residence), US (Nationality), (Designated only for: US)
HANSEN Thomas G, 3 Buffy Road, Bellingham, MA 02019, US, US (Residence), US (Nationality), (Designated only for: US)
GILHOOLY Sean R, 34 Salem End Road, 17B, Framingham, MA 01702, US, US (Residence), US (Nationality), (Designated only for: US)
EVILIA Steven H, 53 Treetop Park, Westboro, MA 01581, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:
MIRABITO A Jason (agent), Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C, ., One Financial Center, Boston, MA 02111, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200425404 A2-A3 20040325 (WO 0425404)
Application: WO 2003US28250 20030910 (PCT/WO US03028250)
Priority Application: US 2002409684 20020910

Parent Application/Grant:
Related by Continuation to: US 2002409684 20020910 (CIP)

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/30**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 7086

English Abstract
The present invention relates to computer primary data storage systems and method that provide comprehensive data protection. The apparatus is designed to operate among two or more data centers (1). Two or more repositories (3) deployed across these data centers provide storage capacity and data management processing capability to deliver complete data protection for their associate fileserver (4) provide primary storage systems.

French Abstract
La presente invention concerne des systemes de memoires informatiques primaires et des procedes permettant d'obtenir une protection complete des donnees.

Legal Status (Type, Date, Text)
Publication 20040325 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20040624 Late publication of international search report
Republication 20040624 A3 With international search report.

Main International Patent Class: **G06F-017/30**
Fulltext Availability:
Detailed Description

Detailed Description
... when it needs to stage a file out, it only needs to replace the full **file** on the **fileserver** with a stub **file** that points to the full version of the **file** stored during backups. This approach **eliminates** the **time - consuming process** of moving I 0 hur@dreds or thousands of **files** from the **fileserver** to the repository. This approach creates a system that can more quickly react to rapid...

24/5,K/15 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01087991 **Image available**
SECURE NETWORK FILE ACCESS CONTROL SYSTEM
SYSTEME DE COMMANDE D'ACCES SECURISE A DES FICHIERS RESEAU
Patent Applicant/Assignee:
VORMETRIC INC, 2060 Corporate Court, San Jose, CA 95131-1753, US, US (Residence), US (Nationality)
Inventor(s):
PHAM Duc, 10412 Menhart Lane, Cupertino, CA 95014, US,
NGUYEN Tien, 10105 Stern Ave, Cupertino, CA 95014, US,
LO Mingchen, 275 Ondina Drive, Fremont, CA 94539, US,
ZHANG Pu, 6404 Mojave Drive, San Jose, CA 95120, US,
Legal Representative:
ROSENBERG Gerald (agent), NewTechLaw, 285 Hamilton Avenue, Suite 520, Palo Alto, CA 94301, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200410304 A1 20040129 (WO 0410304)
Application: WO 2003US20020 20030624 (PCT/WO US03020020)
Priority Application: US 2002201406 20020722
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-012/00**
International Patent Class: **G06F-012/14** ; H04L-009/00; H04L-012/22
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 14411

English Abstract
A secure network file access appliance (12) supports the secure access and transfer of data between the file system (34) of a client computer system (22) and a network data store (16). An agent (36) provided on the client computer system and monitored by the secure network file access applicance ensures authentication of the client computer system with respect to file system requests issued to the network data store. The secure network file access appliance is provided in the network infrastructure between the client computer system and network data store

to apply qualifying access polices and selectively pass through to file system requests. The secure ntwork file access appliance maintains an encryption key store and associates encryption keys with corresponding filesystem files to encrypt and decrypt file data as transferred to and read from the network data store thorugh the secure network file access appliance.

French Abstract
Cette invention se rapporte a un appareil (12) d'acces securise a des fichiers reseau, qui prend en charge l'acces et le transfert securises de donnees entre le systeme de fichiers (34) d'un systeme informatique client (22) et une memoire de donnees reseau (16). Un agent (36) situe dans le systeme informatique client et controle par l'appareil d'acces securise aux fichiers reseau assure l'authentification du systeme informatique client par rapport aux demandes du systeme de fichiers emises a destination de la memoire de donnees reseau. L'appareil d'acces securise aux fichiers reseau est situe dans l'infrastructure reseau entre le systeme informatique client et la memoire de donnees reseau, pour appliquer des regles d'acces de qualification et pour transmettre selectivement les demandes du systeme de fichiers. L'appareil d'acces securise aux fichiers reseau entretient une memoire de cles de cryptage et associe les cles de cryptage a des fichiers correspondants du systeme de fichiers pour coder et decoder les donnees de fichiers, lorsqu'elles sont transferees a la memoire de donnees reseau et extraites de cette memoire, par l'intermediaire de l'appareil d'acces securise aux fichiers reseau.

Legal Status (Type, Date, Text)
Publication 20040129 A1 With international search report.

Main International Patent Class: **G06F-012/00**
International Patent Class: **G06F-012/14** ...
Fulltext Availability:
Detailed Description

Detailed Description
... of the network storage resources 16. In either case, the defined - 36 relationship between the **shadow** files and the corresponding network files 220 is determined and known to the secure network **file access** appliance 12, which
can ensure the parallel reading and writing of the **shadow** files with corresponding reading and writing of the network files 220.

[0099] Referring again to...
? t24/5/20

24/5/20 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00885002 **Image available**
MANIPULATION OF ZOMBIE FILES AND EVIL-TWIN FILES
MANIPULATION DE FICHIERS ZOMBIES ET DE FICHIERS DIABOLIQUES
Patent Applicant/Assignee:
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Inventor(s):
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US,
Legal Representative:
SWERNOFSKY Steven A (agent), Swernofsky Law Group, P.O. Box 390013, Moutain View, CA 94039-0013, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200219110 A2-A3 20020307 (WO 0219110)
Application: WO 2001US25901 20010817 (PCT/WO US0125901)
Priority Application: US 2000642066 20000818
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Main International Patent Class: **G06F-011/14**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 6801

English Abstract
The invention provides a method and system for reliably performing extra-**long** operations in a reliable state-full system (such as a file system). The system records consistency points, or otherwise assures reliability, notwithstanding the continuous performance of extra-long operations and the existence of intermediate states for those extra- **long** **operations** . Moreover, performance of extra- **long** **operations** is both deterministic and atomic with regard to consistency points (or other reliability techniques used by the system). The **file** system includes a separate portion of the **file** system reserved for **files** having extra- **long** **operations** in progress, including **file** deletion and **file** truncation. This separate portion of the **file** system is called the **zombie** **filespace** ; it includes a separate name space from the regular ("live") **file** system that is **accessible** to users, and is maintained as part of the file system when recording a consistency point. The file system includes a file deletion manager that determines, before beginning any file deletion operation, whether it is necessary to first move the file being deleted to the zombie filespace. The file system includes a zombie file deletion manager that performs portions of the file deletion operation on zombie files in atomic units. The file system also includes a file truncation manager that determines, before beginning any file truncation operation, whether it is necessary to create a complementary file called an "evil twin". The truncation manager will move all blocks to be truncated from the file being truncated to the evil twin file. The file system includes a **zombie** file **truncation** manager that performs portions of the file **truncation** operation on the evil-twin file in atomic units. An additional advantage provided by the **file** system is that **files** having attached data elements, called "composite" **files** , can be subject to **file** **deletion** and other extra- **long** **operations** in a natural and reliable manner. The **file** system moves the entire composite **file** to the zombie **filespace** , **deletes** each attached data element individually, and thus resolves the composite file into a non-composite file. If the non-composite file is sufficiently small, the file deletion manager can delete the non-composite file without further need for the zombie filespace. However, if the non-composite file is sufficiently large, the file deletion manager can delete the non-composite file using the zombie filespace.
French Abstract
L'invention concerne un procede et un systeme permettant d'executer de maniere fiable des operations de tres longue duree dans un systeme fiable a integrite d'etat (tel qu'un systeme de fichiers). Le systeme enregistre des points de coherence, ou garantit d'une autre maniere la fiabilite, malgre l'execution continue d'operations de tres longue duree

et l'existence d'etats intermediaires destines a de telles operations. De plus, une execution d'operations de tres longue duree est aussi bien deterministe qu'atomique du point de vue des points de coherence (ou d'autres techniques de fiabilite utilisees par le systeme). Le systeme de fichiers comprend une partie distincte du systeme de fichiers reservee a des fichiers pour lesquels des operations de tres longue duree sont en cours, notamment la suppression et la troncature de fichiers. Cette partie distincte du systeme de fichiers est appelee l'espace-fichier zombie; celle-ci comprend un espace de nom distinct du systeme de fichiers normal (<=actif>=) qui est accessible par les utilisateurs, et est geree comme une partie du systeme de fichiers au moment de l'enregistrement d'un point de coherence. Le systeme de fichiers comprend un gestionnaire de suppression de fichiers determinant, avant le demarrage d'une suppression de fichier quelconque, s'il est necessaire de deplacer, dans un premier temps, le fichier en cours de suppression dans l'espace-fichier zombie. Le systeme de fichiers comprend un gestionnaire de suppression de fichiers zombies effectuant des phases de l'operation de suppression de fichiers sur les fichiers zombies dans des unites atomiques. Le systeme de fichiers comprend egalement un gestionnaire de troncature de fichiers determinant, avant le demarrage d'une operation de troncature quelconque, s'il est necessaire de creer un fichier complementaire appele <=jumeau diabolique>=. Le gestionnaire de troncature deplace tous les blocs devant etre tronques a partir du fichier en cours de troncature vers le fichier jumeau diabolique. Le systeme de fichiers comprend un gestionnaire de troncature de fichiers zombies effectuant des phases de l'operation de troncature de fichiers sur le fichier jumeau diabolique dans des unites atomiques. Le systeme de fichiers presente un avantage supplementaire en ce que les fichiers comprenant des elements de donnees joints, appeles fichiers <=composites>= pouvant etre soumis a une suppression de fichier ou d'autres operations de longue duree d'une maniere naturelle et fiable. Le systeme de fichiers deplace l'ensemble du fichier composite vers l'espace-fichier zombie, supprime, de maniere individuelle, chaque element de donnees joint et reduit, par consequent, le fichier composite en un fichier non composite. Si celui-ci est suffisamment petit, le gestionnaire de suppression de fichiers peut supprimer ce dernier sans devoir recourir a l'espace-fichier zombie. Cependant, si le fichier non composite est suffisamment grand, le gestionnaire de suppression de fichiers peut supprimer ledit fichier au moyen de l'espace-fichier zombie.

Legal Status (Type, Date, Text)
Publication 20020307 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20021031 Late publication of international search report
Republication 20021031 A3 With international search report.
Search Rpt 20021031 Late publication of international search report
Examination 20030109 Request for preliminary examination prior to end of 19th month from priority date
Claim Mod 20030220 Later publication of amended claims under Article 19 received: 20020923
Republication 20030220 A3 With international search report.
Republication 20030220 A3 With amended claims.
? t24/5,k/21-22,28-29

24/5,K/21 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00850708 **Image available**
SYSTEM OF AND METHOD FOR TRANSPARENT MANAGEMENT OF DATA OBJECTS IN

CONTAINERS ACROSS DISTRIBUTED HETEROGENOUS RESOURCES

SYSTEME ET PROCEDE DE GESTION TRANSPARENTE D'OBJETS DE DONNEES PLACES DANS DES CONTENANTS SITUES DANS DES RESSOURCES HETEROGENES DISTRIBUEES

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Patent and Priority Information (Country, Number, Date):
Patent: WO 200184371 A2-A3 20011108 (WO 0184371)
Application: WO 2001US11891 20010412 (PCT/WO US0111891)
Priority Application: US 2000559862 20000427

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/30**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 14330

English Abstract

A system of and method for maintaining data objects in containers across a network of distributed heterogeneous resources in a manner which is transparent to a client. A client request pertaining to containers is resolved by querying meta data for the container, processing the request through one or more copies of the container maintained on the system, updating the meta data for the container to reflect any changes made to the container as a result processing the request, and, if a copy of the container has changed, changing the status of the copy to indicate dirty status or synchronizing the copy to one or more other copies that may be present on the system.

French Abstract

On decrit un systeme et un procede qui permettent de maintenir des objets de donnees dans des contenants sur un reseau de ressources heterogenes distribuees d'une maniere transparente pour un client. Une requete de client portant sur les contenants est resolue au moyen de la demande de metadonnees relatives au contenant, du traitement de la requete a l'aide d'au moins une copie du contenant conservee dans le systeme, de la mise a jour des metadonnees relatives au contenant afin qu'elles refletent les eventuelles modifications apportees au contenant suite au traitement de la requete, et, si une copie du contenant a change, au moyen de la modification de l'etat de la copie pour indiquer un mauvais etat ou de la synchronisation de la copie sur une ou plusieurs autres copies pouvant se trouver dans le systeme.

Legal Status (Type, Date, Text)
Publication 20011108 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20030220 Late publication of international search report
Republication 20030220 A3 With international search report.

Main International Patent Class: **G06F-017/30**
Fulltext Availability:
Detailed Description

Detailed Description
... is recorded in a local file database. When no longer connected to the network, the **access** to the **file** is redirected to the **shadow** file.

3
U.S. Patent No. 5 .296 describes a method and apparatus for moving...

24/5,K/22 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00834103 **Image available**
A NETWORK STORAGE SYSTEM
SYSTEME DE STOCKAGE SUR RESEAU
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Patent Applicant/Inventor:
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Legal Representative:
STATTLER John (agent), Stattler Johansen & Adeli LLP, P.O. Box 51860, Palo Alto, CA 94303-0728, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200167707 A2-A3 20010913 (WO 0167707)
Application: WO 2001US6707 20010302 (PCT/WO US01006707)
Priority Application: US 2000186693 20000303; US 2000186774 20000303; US 2000695499 20001023; US 2000753141 20001229
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-017/30**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 19549

English Abstract
A network storage system includes a virtual file system ("VFS"), to manage the files of the network storage system, and a storage center that stores the files. The VFS and the storage center are separated, such that a client accesses the VFS to conduct file system operations and the client accesses the storage center to upload/download files. The client accesses the network storage system through one or more storage ports. The storage center includes a plurality of distributed object storage managers (DOSMs) and a storage cluster that includes a plurality of intelligent storage nodes. The network storage system includes additional storage centers at geographically disparate locations. The network storage system uses a multi-cast protocol to maintain file information at the DOSMs regarding files stored in the intelligent storage nodes, including files stored in disparate storage centers.

French Abstract
L'invention se rapporte a un systeme de stockage sur reseau comportant un systeme de fichier virtuel (<=SFV>=) qui gere les fichiers du systeme de stockage sur reseau et un centre de stockage qui stocke les fichiers. Le SFV et le centre de stockage sont separes, de sorte qu'un client a acces au SFV pour effectuer des operations sur le systeme de fichiers, et le client a acces au centre de stockage pour telecharger des fichiers vers l'amont ou vers l'aval. Le client a acces au systeme de stockage sur reseau a travers un ou plusieurs ports de stockage. Le centre de stockage comprend une multiplicite de gestionnaires de stockage a objets repartis (<=DOSM>=) et une grappe de stockage comportant une multiplicite de noeuds de stockage intelligents. Le systeme de stockage sur reseau comprend des centres de stockage additionnels a des emplacements geographiques divers. Le systeme de stockage sur reseau utilise un protocole a multi-diffusion afin de mettre a jour les informations des fichiers au niveau des DOSM concernant les fichiers stockes dans les noeuds de stockage intelligents, y compris les fichiers stockes dans divers centres de stockage.

Legal Status (Type, Date, Text)

Publication	20010913	A2 Without international search report and to be republished upon receipt of that report.
Examination	20011220	Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20040212	Late publication of international search report
Republication	20040212	A3 With international search report.
Republication	20040212	A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Main International Patent Class: **G06F-017/30**
Fulltext Availability:
Detailed Description

Detailed Description

... the contents of the shadow file for the corresponding object file. In one embodiment, the **shadow** file is generated during an upload operation. The client may **access** a **shadow file** by mounting the second directory. For example, a client may specify, for the file "foo...

24/5,K/28 (Item 28 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00432426 **Image available**
SYSTEM FOR TRACKING DATA
SYSTEME DE SUIVI DE DONNEES
Patent Applicant/Assignee:
MANGOSOFT CORPORATION,
Inventor(s):
CARTER John B,
DAVIS Scott H,
FRANK Steven J,
PLOUFFE Gerald R,
LEE Hsin H,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9822890 A1 19980528
Application: WO 97US21458 19971121 (PCT/WO US9721458)
Priority Application: US 96754481 19961122; US 97827534 19970328; US 97848970 19970502
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: **G06F-017/30**
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 17098

English Abstract
A system for tracking data contained in a structured storage system includes a plurality of nodes interconnected by a network. A file system control program is stored on each of the nodes and the program manipulates a structured file system. Each instance of the file system control program is interfaced to a globally addressable memory store that provides addressable, persistent storage of data. Each instance of the file system control program is operated to employ the globally addressable stored memory as a memory device storing the structured file system. An index is generated for each link created between files contained in the structured file system, the index includes a unique file identifier.

French Abstract
Cette invention se rapporte a un systeme de suivi de donnees contenues dans un systeme de stockage structure, qui comporte une pluralite de noeuds interconnectes par un reseau. Un programme de commande du systeme de fichiers, qui est stocke au niveau de chacun des noeuds, manipule un systeme de fichiers structure. Chaque instance du programme de commande du systeme de fichiers est mise en relation avec une memoire adressable

de maniere globale qui sert a stocker des donnees de maniere permanente et adressable. Chaque instance du programme de commande des fichiers est utilisee pour permettre l'utilisation de la memoire adressable de maniere globale en tant que dispositif de memorisation servant a stocker le systeme de fichier structure. Un index, qui est genere pour chaque lien cree entre les fichiers contenus dans le systeme de fichiers structure, comprend un identificateur de fichier unique.

Main International Patent Class: **G06F-017/30**
Fulltext Availability:
Detailed Description

Detailed Description
... and is stored in the original location. Therefore, file open requests that reference the original **file** name will be resolved by **accessing** the **shadow file** . **Accessing** the **shadow file** results in the redirection of the 1 0 file open request to the file in...

24/5,K/29 (Item 29 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00360151 **Image available**
PERSISTENT STATE CHECKPOINT AND RESTORATION SYSTEMS
SYSTEMES DE POINT DE REPRISE ET DE RESTAURATION DE L'ETAT PERSISTANT
Patent Applicant/Assignee:
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CHUNG Pi-Yu,
HUANG Yennun,
KINTALA Chandra,
VO Kiem-Phong,
WANG Yi-Min,
Inventor(s):
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HUANG Yennun,
KINTALA Chandra,
VO Kiem-Phong,
WANG Yi-Min,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9700476 A1 19970103
Application: WO 95US7629 19950616 (PCT/WO US9507629)
Priority Application: WO 95US7629 19950616
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP US
Main International Patent Class: **G06F-011/00**
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 10632

English Abstract
A checkpoint and restoration system (10) provides restoration techniques for user application processes which save the volatile state and portions of the persistent state, during execution, and thereafter restore the saved state. A lazy checkpoint technique delays the taking of the persistent state checkpoint until inconsistency between the checkpointed volatile state and the persistent state is about to occur. The checkpoint

and restoration system (10) allows a user or user application process (40) to specify portions of the persistent state to be excluded from a checkpoint. A selected portion of the pre-restoration process state, such as a return value argument, may be protected before restoring the user application process to a checkpointed state, so that pre-restoration values of the protected state are retained following restoration. The retained return value allows segments of restoration code to be executed following a restoration and allows a normal execution mode to be distinguished from a restoration mode.

French Abstract

Un systeme (10) de point de reprise et de restauration utilise des techniques de restauration pour effectuer des processus d'application d'utilisateur qui sauvegardent l'etat non remanent et des parties de l'etat persistant, pendant l'execution, et restaurent ensuite l'etat sauvegarde. Une technique de point de reprise lente retarde la constitution du point de reprise de l'etat persistant jusqu'a ce qu'une incoherence entre l'etat non remanent jalonne de points de reprise et l'etat persistant soit sur le point de se produire. Le systeme (10) de point de reprise et de restauration permet a un utilisateur ou a un processus (40) d'application d'utilisateur de specifier des parties de l'etat persistant a exclure d'un point de reprise. Une partie selectionnee de l'etat du processus de pre-restauration, telle qu'un argument de valeur de retour peut etre protegee avant la restauration du processus d'application d'utilisateur a un etat de point de reprise, de telle maniere que les valeurs de pre-restauration de l'etat protege sont conservees apres la restauration. La valeur de retour conservee permet a des segments du code de restauration d'etre executes apres une restauration et permet a un mode d'execution normale d'etre distingue d'un mode de restauration.

Main International Patent Class: **G06F-011/00**
Fulltext Availability:
Detailed Description

Detailed Description

... to be excluded from a checkpoint. In this manner, a desired intermediate state can be.

checkpointed and used as a starting point for executing new processing tasks. For exam
. ple, if a
user application **process** requires a **long** initialization **process** , and then utilizes the same initialized state to process different inputs, the input **files** can be excluded from the **checkpoint** and the initialized state can be **checkpointed** . Thereafter, the **checkpointed** initialized state can be restored to execute the processing task for each new set of...

27/5,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00654828
PATENT (CC, No, Kind, Date): EP 629947 A3 950614 (Basic)

ABSTRACT EP 629947 A2
A system and method for determining a master process for control of a shared system resource. The improved system requires the master process to hold exclusive access on a shared resource control file only intermittently. The master process periodically updates the shared resource control file with a new timestamp. Processes seeking resource access read the shared control file and determine whether another process has been designated master. If the interval since the latest timestamp is greater than a preset staleness interval, the shared control file is discarded and a new one created by the accessing process. (see image in original document)
ABSTRACT WORD COUNT: 103

LEGAL STATUS (Type, Pub Date, Kind, Text):

Search Report:	950614 A3	Separate publication of the European or International search report
Examination:	950621 A2	Date of filing of request for examination: 950425
Withdrawal:	980304 A2	Date on which the European patent application was withdrawn: 980109

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	392
SPEC A	(English)	EPABF2	2870
Total word count - document A			3262
Total word count - document B			0
Total word count - documents A + B			3262

...SPECIFICATION requesting process is the master, it can directly access the resource, otherwise, it is a **shadow** process and must negotiate with the master for **access** 176.
The shared control **file** of the preferred embodiment is a storage file in the logical file system. As such...

...still being the master process for that resource. The previous system indicated race failures to **shadows** by denying them the exclusive write **access** to the shared control **file** . The present invention replaces this master status indicator with a timestamp and control file age...

...write access to the file 156'. Failure to gain access means another process has exclusive **access** to the shared control **file** . In the preferred embodiment, either the master or **shadow** could have exclusive access to the process must retry 156' until it actually acquires exclusive...

...BEAT seconds 190 the master process attempts to obtain exclusive **access** to the shared control **file** . The request may fail 193 due to a **shadow** process holding

27/5,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00454914

Method and means for managing space re-use in a shadow written B-tree via free space lists.

Verfahren und Mittel zur Verwaltung von Raumwiederverwendung in einem doppelt geschriebenen B-Baum durch Freiraumlisten.

Procede et moyen de gestion de reutilisation d'espace dans un arbre B ecrit en double par des listes d'espace libre.

PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Baird, Robert, 5849 Pilar Court, San Jose, CA 95120, (US)
Bozman, Gerald Parks, 609 Ramapo Valley Road, Oakland, New Jersey 07436, (US)
Young, Nancy Yin-Mei, 7094 Calcaterra Drive, San Jose, CA 95120, (US)
LEGAL REPRESENTATIVE:
Jost, Ottokarl, Dipl.-Ing. (6092), IBM Deutschland GmbH Patentwesen und Urheberrecht Schonaicher Strasse 220, W-7030 Boblingen, (DE)
PATENT (CC, No, Kind, Date): EP 453707 A2 911030 (Basic)
EP 453707 A3 921202
APPLICATION (CC, No, Date): EP 91100537 910118;
PRIORITY (CC, No, Date): US 514904 900426
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-015/403; G06F-015/413;
CITED PATENTS (EP A): GB 2196764 A; EP 362709 A
CITED REFERENCES (EP A):
IBM TECHNICAL DISCLOSURE BULLETIN vol. 25, no. 7B, December 1982, NEW YORK US pages 3725 - 3729 R.MALKEMUS 'Index Locking and Splitting';

ABSTRACT EP 453707 A2

A method for managing space re-use with respect to the indices (nodes) of **shadow** written tree organized dynamic random **accessed files** /records/pages located in the external store of a CPU. The method reserves space in all non-leaf nodes and maintains a list of available node addresses. When a new node is required then space, if available, is obtained from the parent node list. Only when the parent list becomes exhausted is space (node) obtained from a node inventory manager. Deletion of a node causes its address to be placed on the free or available list maintained by that node's parent. If there is no space, then space on the parent node list is obtained by returning to the inventory manager that node on the list having the least locality with the existing subordinate (children) nodes of the parent. (see image in original document)

ABSTRACT WORD COUNT: 144

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	911030	A2	Published application (A1with Search Report ;A2without Search Report)
Examination:	920226	A2	Date of filing of request for examination: 911219
Search Report:	921202	A3	Separate publication of the European or International search report
Examination:	970219	A2	Date of despatch of first examination report: 970107
Withdrawal:	980114	A2	Date on which the European patent application was deemed to be withdrawn: 970718

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1497

SPEC A (English) EPABF1 4937
Total word count - document A 6434
Total word count - document B 0
Total word count - documents A + B 6434
...ABSTRACT A2
A method for managing space re-use with respect to the indices (nodes) of **shadow** written tree organized dynamic random **accessed files** /records/pages located in the external store of a CPU. The method reserves space in...

...SPECIFICATION overhead in the management of storage space incurred with respect to the indices (nodes) of **shadow** written tree organized random **accessed** records, pages, and **files** resident in external storage.
It is a related object to devise a method for managing...

...CLAIMS space re-use with respect to the key oriented, tree organized indices of dynamic random **accessible files** , said indices and **files** being located in and **shadow** written to a external store of a CPU,

each index having a root node, interior...

27/5,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00307437
Video digital analog signal processing and display.
Digitale Verarbeitung und Anzeige von analogischen Videosignalen.
Traitement et affichage numerique de signaux video analogiques.
PATENT ASSIGNEE:
DIGITAL F/X (a California corporation), (1030200), 755 Ravendale, Mountain View California 94043, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Hirsch, Clifford, 2134 Prince Street, Berkeley California, (US)
Stead, Lawrence, 2099 Club House Drive, Lillian California, (US)
Leyland, Robert, 71 Half Moon Road, Novato California, (US)
Wade, Andrew E., 1378 Chelsea Court, Los Altos California, (US)
Schlag, John F., 910 3rd Street, Santa Cruz California, (US)
Ogrinc, Michael A., 490 Douglass Street, San Francisco California, (US)
Mayer, Steven T., 27860 Black Mountain Road, Los Altos Hills California, (US)
Clarke, Charles P., 2230 Homestead Ct., No. 310, Los Altos California, (US)
Collins, Kevin, 1401 Via Vista, San Mateo California, (US)
Jensen, Sven, 225 Lincoln, Nr. B, Palo Alto California, (US)
Lay, Robert L., 464 Laurel Avenue, San Anselmo California, (US)
Pon, Raymond, 1068 Walker Avenue, Oakland California, (US)
Card, Robert, 360 Forest Avenue, Nr. 103, Palo Alto California, (US)
Collier, Rhonda, 137C New York Avenue, Los Gatos California, (US)
Crane, Stephen E., 130 Baywood Avenue, Menlo Park California, (US)
Burns, Chris R., 575 S. Rengstorff Avenue, No. 88 Mountain View California, (US)
Stewart, Bradly G., 4202 Hamilton Avenue, No. 2, San Anselmo California, (US)
Knittel, Brian, 2906 Cowper Street, Palo Alto California, (US)
LEGAL REPRESENTATIVE:
Fieret, Johannes, Ir. et al (49042), c/o Algemeen Octrooibureau P.O.Box

645, NL-5600 AP Eindhoven, (NL)
PATENT (CC, No, Kind, Date): EP 314250 A2 890503 (Basic)
EP 314250 A3 920304
APPLICATION (CC, No, Date): EP 88202387 881027;
PRIORITY (CC, No, Date): US 116801 871030; US 244435 880914
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-015/72; G06F-015/64;
CITED PATENTS (EP A): EP 239299 A; US 4586181 A

ABSTRACT EP 314250 A2
A video digital signal processing and display system that allows real time processing of video images with extensive filtering and inter-pixel interpolation. (see image in original document)
ABSTRACT WORD COUNT: 31

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	890503	A2	Published application (A1with Search Report ;A2without Search Report)
Change:	911030	A2	Obligatory supplementary classification (change)
Search Report:	920304	A3	Separate publication of the European or International search report
Change:	920401	A2	Representative (change)
Examination:	921104	A2	Date of filing of request for examination: 920904
Examination:	940608	A2	Date of despatch of first examination report: 940425
Change:	940706	A2	Representative (change)
Change:	941123	A2	Representative (change)
*Assignee:	941123	A2	Applicant (transfer of rights) (change): New Microtime Inc. (1826100) 1280 Blue Hills Avenue Bloomfield Connecticut 06002 (US) (applicant designated states: DE;FR;GB)
Withdrawal:	950510	A2	Date on which the European patent application was deemed to be withdrawn: 941108

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1953
SPEC A	(English)	EPABF1	24424
Total word count - document A			26377
Total word count - document B			0
Total word count - documents A + B			26377

...SPECIFICATION windows for HFG (horizontal foreground) transfers and the vertical refresh timing windows used for the **shadow** copy of the two fields.
The BIU section controls the **accesses** to and from the P- **file** . The time division multiplexing of **accesses** to the P- **file** RAM is controlled by logic in this block and logic in the BIU.
The P...

27/5,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00304741
A trusted path mechanism for an operating system.
Ein Sicherheitswegmechanismus fur ein Betriebssystem.
Un mecanisme d'une voie de securite pour un systeme operationnel.

PATENT ASSIGNEE:
International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
Luckenbaugh, Gary Linn, 62 Napa Valley Road, Gaithersburg, MD 20877, (US)
Johri, Abhai, 17500 Taunton Drive, Gaithersburg, MD 20878, (US)
LEGAL REPRESENTATIVE:
Harrison, Robert John (74512), IBM Deutschland Informationssysteme GmbH, Patentwesen und Urheberrecht, D-70548 Stuttgart, (DE)
PATENT (CC, No, Kind, Date): EP 325776 A2 890802 (Basic)
EP 325776 A3 920122
EP 325776 B1 940810
APPLICATION (CC, No, Date): EP 88121478 881222;
PRIORITY (CC, No, Date): US 149446 880128
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G06F-009/46; G06F-001/00;
CITED REFERENCES (EP A):
PROCEEDINGS IEEE SYMPOSIUM ON SECURITY AND PRIVACY April 1986, OAKLAND, US pages 102 - 117; V.D. GLIGOR ET AL.: 'On the design and the implementation of secure xenix workstations'
PROCEEDINGS SUMMER '88 USENIX CONFERENCE June 1988, SAN FRANCISCO, US pages 133 - 146; M.S. HECHT ET AL.: 'Experience adding C2 security features to UNIX'
COMPUTER. vol. 16, no. 7, July 1983, LONG BEACH US pages 26 - 34; L.J. FRAIM ET AL.: 'Scomp: A solution to the multilevel security problem';

ABSTRACT EP 325776 A2
The trusted path mechanism guarantees that data typed by a user on a terminal keyboard is protected from any intrusion by unauthorized programs. It allows a user to create a non-forgeable and non-penetrable communication path between the user's terminal and the trusted operating system software. The user can create a trusted path by simply pressing a key, called the Secure Attention Key (SAK), on the terminal keyboard. This operation can be called when the user logs into the system in order to be sure that the user is communicating with the real login program and not a Trojan horse program masquerading as a login program, which could steal the user's password. After the user establishes the trusted path, he can enter his critical data, such as a password, and can be sure that his critical data is not being stolen by an intruder's program. Then, after the user logs out, he can be sure that the trusted path has actually logged him out of the system so that a Trojan horse program is not capable of continuing the session started by the user. (see image in original document)
ABSTRACT WORD COUNT: 192

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	890802	A2	Published application (A1with Search Report ;A2without Search Report)
Examination:	900110	A2	Date of filing of request for examination: 891117
Search Report:	920122	A3	Separate publication of the European or International search report
Examination:	931124	A2	Date of despatch of first examination report: 931012
Grant:	940810	B1	Granted patent
Oppn None:	950802	B1	No opposition filed

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPBBF1	882

```
      CLAIMS B  (English)  EPBBF1      875
      CLAIMS B   (German)  EPBBF1      816
      CLAIMS B   (French)  EPBBF1     1080
      SPEC A    (English)  EPBBF1    15321
      SPEC B    (English)  EPBBF1    15224
Total word count - document A        16203
Total word count - document B        17995
Total word count - documents A + B   34198

...SPECIFICATION on-exec files).
    The "exit" system call terminates the process that issued the exit. All
   files  access  by that process are closed and the waiting parent is
  notified. A  zombie  process is a terminated process whose entry remains
  in the process table. The parent process...

...SPECIFICATION on-exec files).
    The "exit" system call terminates the process that issued the exit. All
   files  access  by that process are closed and the waiting parent is
  notified. A  zombie  process is a terminated process whose entry remains
  in the process table. The parent process...
```

27/5,K/9 (Item 9 from file: 349)

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DIALOG(R)File 349:PCT FULLTEXT
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01114223    **Image available**
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SECURE FILE SYSTEM SERVER ARCHITECTURE AND METHODS
ARCHITECTURE DE SERVEUR DE SYSTEME DE FICHIERS SECURISES ET PROCEDES ASSOCIES

```
Patent Applicant/Assignee:
  VORMETRIC INC, 3131 Jay Street, Santa Clara, CA 95054-3308, US, US
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Inventor(s):
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Legal Representative:
  ROSENBERG Gerald (agent), NewTechLaw, 285 Hamilton Avenue, Suite 520,
    Palo Alto, CA 94301, US,
Patent and Priority Information (Country, Number, Date):
  Patent:               WO 200436350 A2-A3 20040429 (WO 0436350)
  Application:          WO 2003US31261 20031001  (PCT/WO US03031261)
  Priority Application: US 2002271050 20021016
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
  LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC
  SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
  SI SK TR
Main International Patent Class: H04L-009/00
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 15390
```

English Abstract

A data server platform (14) includes a security file system layer (22) interposed between the platform operating system kernel (24) and file system (26). The secure file system layer is structured to implement a file access control function that selectively constrains data transfer operations initiated through the operating system kernel by an application program to transfer file data through the file system with respect to a persistent data store (18). A file access controller (12), implemented independent of the operating system kernel, is coupled to the security file system layer and supports the file access control function by defining permitted file data transfers through the file system. Management of the file access controller separate from the data server platform ensures that any security breach of the platform operating system kernel cannot compromise the function of the security file system layer.

French Abstract

Une plate-forme de serveur de donnees comprend une couche de systeme de fichiers securises intercalees entre le noyau du systeme d'exploitation de la plate-forme et le systeme de fichier. Cette couche de systeme de fichiers securises est structuree de facon a mettre en application une fonction de controle d'acces aux fichiers contraignant de maniere selective les operations de transfert de donnees declenchees dans le noyau du systeme d'exploitation par un programme d'application afin de transferer les donnees de fichiers a travers le systeme de fichiers par rapport a une memoire de donnees permanente. Un controleur d'acces aux fichiers, fonctionnant independamment du noyau du systeme d'exploitation, est couple a la couche du systeme de fichiers securises et supporte la fonction de controle d'acces aux fichiers par definition de transferts autorises de donnees de fichiers a travers le systeme de fichiers. La gestion de ce controleur d'acces aux fichiers separee de la plate-forme du serveur de donnees empeche toute rupture de la securite du noyau du systeme d'exploitation de la plate-forme de nuire a la fonction de la couche du systeme de fichiers securises.

Legal Status (Type, Date, Text)
Publication 20040429 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20040617 Late publication of international search report
Republication 20040617 A3 With international search report.
Republication 20040617 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:
Detailed Description

Detailed Description
... of the persistent storage resources 1 6. In either case, the defined relationship between the **shadowfiles** and the corresponding network files 220 is determined and known to the secure network **file access** appliance 12, which
can ensure the parallel reading and writing of the **shadow** files with corresponding reading and writing of the network files 220.

[0101] Referring again to...

27/5,K/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01087995 **Image available**

LOGICAL ACCESS BLOCK PROCESSING PROTOCOL FOR TRANSPARENT SECURE FILE STORAGE

PROTOCOLE DE TRAITEMENT DE BLOCS D'ACCES LOGIQUE POUR LE STOCKAGE TRANSPARENT DE FICHIERS DE SECURITE

Patent Applicant/Assignee:
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Inventor(s):
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LO Mingchen, 275 Ondina Drive, Fremont, CA 94539, US,
ZHANG Pu, 6404 Mojave Drive, San Jose, CA 95120, US,
Legal Representative:
ROSENBERG Gerald (agent), NewTechLaw, 285 Hamilton Avenue, Suite 520, Palo Alto, CA 94301, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200410630 A2 20040129 (WO 0410630)
Application: WO 2003US20145 20030624 (PCT/WO US03020145)
Priority Application: US 2002201409 20020722
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: H04L
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 15087

English Abstract
Network data files are secure through the operation of an infrastructure gateway-based network file access appliance. Network file data, corresponding to network packet payload data, are further reduced to a sequence of data blocks that are secured through any combination of block encryption, compression, and digital signatures. File meta-data, including encryption, compression and block-level digital signatures are persistently stored with the file data, either in-band in the file as stored or out-of-band key as a separately stored file or file policy record. File meta-data is recovered with accesses of the file data to support bidirectional encryption and compression and to detect tampering with the file data by comparison against block-level digital signatures.

French Abstract
Le fonctionnement d'un appareil d'acces a des fichiers reseau base sur une passerelle entre infrastructures permet d'assurer la securite de fichiers de donnees d'un reseau. Les donnees de fichiers de reseau, qui correspondent a des donnees de charge utile en paquets du reseau, sont ensuite reduites a une sequence de blocs de donnees dont la securite est assuree par toute combinaison d'un chiffrage des blocs, d'une compression et de signatures numeriques. Les meta-donnees de fichiers, notamment les

signatures numeriques de codage, compression et du niveau bloc sont stockees de maniere permanente avec les donnees du fichier, soit sous forme intra-bande dans le fichier tel qu'il est stocke, soit sous forme de cle hors-bande en tant que fichier stocke separement ou enregistrement de regles relatives aux fichiers. Les meta-donnees de fichiers sont extraites par des acces aux donnees de fichiers de maniere a permettre un codage bidirectionnel et une compression et afin de desceller toute manipulation frauduleuse des donnees de fichiers par comparaison avec les signatures numeriques du niveau bloc.

Legal Status (Type, Date, Text)
Publication 20040129 A2 Without international search report and to be republished upon receipt of that report.

Fulltext Availability:
Detailed Description

Detailed Description
... No.: AESN3009 WO
gbr/aesn/3009wo utility.wpd 6/24/2003
- 36 relationship between the **shadow** files and the corresponding network files 220 is determined and known to the secure network **file access** appliance 12, which
can ensure the parallel reading and writing of the **shadow** files with corresponding reading and writing of the network files 220.

[00991 Referring again to...

27/5,K/15 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00774786 **Image available**
A COMPUTER SYSTEM AND PROCESS FOR ACCESSING AN ENCRYPTED AND SELF-DECRYPTING DIGITAL INFORMATION PRODUCT
SYSTEME INFORMATIQUE ET PROCEDE PERMETTANT D'ACCEDER A UN PRODUIT A INFORMATIONS NUMERIQUES CRYPTEES ET AUTO-DECRYPTEES
Patent Applicant/Assignee:
OPEN SECURITY SOLUTIONS LLC, 189 Windsor Road, Waban, MA 02468, US, US (Residence), US (Nationality)
Inventor(s):
GLOVER John J, 47 Spring Hill Road, Bedford, NH 03110, US
Legal Representative:
HENRY Steven J, Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210, US
Patent and Priority Information (Country, Number, Date):
Patent: WO 200108345 A1 20010201 (WO 0108345)
Application: WO 2000US19809 20000721 (PCT/WO US0019809)
Priority Application: US 99145169 19990722
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA CN JP KR
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: H04L-009/00
International Patent Class: H04L-009/32
Publication Language: English
Filing Language: English
Fulltext Availability:

Detailed Description
Claims
Fulltext Word Count: 13134

English Abstract
Some of these problems with digital information protection systems may be overcome by providing a mechanism (26) which allows a content provider to encrypt digital information without requiring either a hardware or platform manufacturer or a content consumer to provide support for the specific form of corresponding decryption. This mechanism can be provided in a manner which allows the digital information to be copied easily for back-up purposes and to be transferred easily for distribution, but which should not permit copying of the digital information in decrypted form. In particular, the encrypted digital information is stored (28) as an executable computer program which includes a decryption program that decrypts the encrypted information to provide the desired digital information (20), upon successful completion of an authorization procedure by the user.

French Abstract
La presente invention concerne un mecanisme (26) permettant de pallier certains des problemes concernant les systemes de protection d'informations numeriques. Ledit mecanisme permet a un fournisseur de contenu de crypter des informations numeriques sans avoir besoin ni de materiel informatique, ni de fabriquant de materiel informatique, ni de consommateur de contenu pour servir de support a la forme specifique du decryptage correspondant. Ce mecanisme peut se presenter sous une forme qui permet aux informations numeriques d'etre facilement copiees a des fins de sauvegarde et d'etre facilement transmises pour etre distribuees, mais qui ne doit pas permettre de copier les informations numeriques sous forme decryptee. En particulier, les informations numeriques cryptees sont enregistrees (28) sous forme de programme informatique executable comprenant un programme de decryptage servant a decrypter les informations cryptees afin de mettre a disposition les informations (20) numeriques desirees lorsque l'utilisateur a execute avec succes une procedure d'autorisation.

Legal Status (Type, Date, Text)
Publication 20010201 A1 With international search report.
Publication 20010201 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.
Examination 20010531 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... makes a call to the operating system to execute one of the files in the **phantom** directory. The loaded driver traps these calls to the operating system, **accesses** the original **file** , decrypts the desired information and outputs the desired information to the operating system.

In combination...loaded virtual device driver 52 is to trap all calls from the operating system to **access files** in step 86. Any calls made by the operating system to **access files** in the **phantom** directory are processed by the virtual device driver, whereas calls to **access files** in other directories are allowed to proceed to their original destination. In response to each...
? t27/5,k/18,20-21,25

27/5,K/18 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00475655
COMPUTERIZED SYSTEM AND ASSOCIATED METHOD FOR OPTIMALLY CONTROLLING STORAGE AND TRANSFER OF COMPUTER PROGRAMS ON A COMPUTER NETWORK
SYSTEME INFORMATISE ET PROCEDE ASSOCIE POUR LE CONTROLE OPTIMAL DE LA MISE EN MEMOIRE ET DU TRANSFERT DE PROGRAMMES INFORMATIQUES SUR RESEAU INFORMATIQUE
Patent Applicant/Assignee:
CATHARON PRODUCTIONS INC,
Inventor(s):
FEINBERG Michael A,
FEINBERG Matthew A,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9907007 A2 19990211
Application: WO 98US15627 19980728 (PCT/WO US9815627)
Priority Application: US 97902591 19970729
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class: G06F-013/00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 88340

English Abstract
A computerized system and method for optimally controlling storage and transfer of computer programs between computers on a network to facilitate interactive program usage. In accordance with the method, an application program is stored in a nonvolatile memory (20) of a first computer (14) as a plurality of individual and independent machine-executable code modules. In response to a request from a second computer (12) transmitted over a network link, the first computer (14) retrieves a selected one of the machine-executable code modules and only that selected code module from the memory and transmits the selected code module over the network link to the second computer (12).
French Abstract
L'invention concerne un systeme informatise et un procede associe pour le controle optimal de la mise en memoire et du transfert de programmes informatiques entre ordinateurs, sur reseau informatique, en vue de faciliter l'utilisation interactive des programmes. Le procede consiste a enregistrer un programme d'applications dans une memoire non volatile d'un premier ordinateur, sous la forme de plusieurs modules de code individuels et executables par machine de maniere independante. En reponse a une demande d'un second ordinateur, transmise sur une liaison du reseau, le premier ordinateur recupere dans la memoire un module determine, parmi les modules de code susmentionnes, et exclusivement ce module, pour le transmettre au second ordinateur via la liaison de reseau.

Fulltext Availability:
  Detailed Description

Detailed Description
... is considered the resource; otherwise, the unit is assumed to be
  located in the specified **file** . A **file**
  resource can be **accessed** with both the "Dir" and "

27/5,K/20 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00421229 **Image available**
SELF-DECRYPTING DIGITAL INFORMATION SYSTEM AND METHOD
SYSTEME D'AUTO-DECHIFFREMENT D'INFORMATION NUMERIQUE ET PROCEDE CORRESPONDANT
Patent Applicant/Assignee:
  GLOVER John J,
Inventor(s):
  GLOVER John J,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9811690 A1 19980319
  Application: WO 97US16223 19970912 (PCT/WO US9716223)
  Priority Application: US 9625991 19960912; US 97887723 19970703
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
  AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
  IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
  PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD
  SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
  LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: H04L-009/00
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 12588

English Abstract
  The claimed data protection device (20) includes a processor (22) connected to a memory system (24) through an interconnection mechanism (26). An input device (28) is also connected to the processor (22) and memory system (24) through the interconnection mechanism (26). The interconnection mechanism (26) is typically a combination of one or more buses and one or more switches. The output device (30) may be a display, and the input device (28) may be a keyboard and/or mouse or other cursor control device.

French Abstract
  Le dispositif de protection de donnees (20) selon l'invention comporte un processeur (22) connecte a un systeme de memoire (24) par le biais d'un mecanisme d'interconnexion (26). Un peripherique d'entree (24) est egalement connecte au processeur (22) et au systeme de memoire (24) par le biais du mecanisme d'interconnexion (26). Ce dernier est, generalement, une association d'un ou de plusieurs bus et d'un ou de plusieurs commutateurs. Le peripherique de sortie (30) peut etre un ecran de visualisation et le peripherique d'entree (28), un clavier ou une souris ou tout autre dispositif de commande a curseur.

Fulltext Availability:
Detailed Description

Detailed Description
... makes a call to the operating system to execute one of the files in the **phantom** directory.

The loaded driver traps these calls to the operating system, **accesses** the original **file** , decrypts the 3o desired information and outputs the desired information to the operating system.

In...loaded virtual device driver 52 is to trap all calls from the operating system to **access files** in step 86. Any calls made by the operating system to **access files** in the **phantom** directory are processed by the virtual device driver, whereas calls to **access files** in other directories are allowed to proceed to their original destination. In response to each...

27/5,K/21 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00351827 **Image available**
INSTALLABLE PERFORMANCE ACCELERATOR FOR COMPUTER NETWORKS
ACCELERATEUR DE PERFORMANCES CONFIGURABLE POUR RESEAUX D'ORDINATEURS
Patent Applicant/Assignee:
AIRSOFT INC,
Inventor(s):
SINGH Jagdeep,
THIO Boen T,
BHIDE Chandrashekhar W,
GRAY Wayne R,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9634340 A1 19961031
Application: WO 96US5770 19960426 (PCT/WO US9605770)
Priority Application: US 95427966 19950426
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: G06F-013/00
International Patent Class: G06F-13:14
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 14469

English Abstract
An installable performance accelerator for computer network distributed file systems (200) is provided. A cache subsystem (414) is added onto, or plugged into, an existing distributed file system with no source code modifications to the operating system. The cache subsystem (414) manages a cache (416) on the client computer side which traps or intercepts file system calls (404) to cached files in order to obtain an immediate and

substantial performance increase in distributed file system performance. Additionally, a refresh agent may be installed on the server side to further speed up cache accesses.

French Abstract
Cette invention concerne un accelerateur de performances configurable destine a des systemes (200) de gestion de fichiers repartis de reseaux d'ordinateurs. On ajoute un sous-systeme a antememoire (414) au systeme existant de gestion de fichiers repartis ou on le branche a celui-ci, sans faire de modifications du code source du systeme d'exploitation. Ledit sous-systeme a antememoire (414) gere une antememoire (416) sur l'ordinateur client qui piege ou intercepte les appels (404) du systeme de gestion de fichiers vers les fichiers en antememoire afin d'obtenir un accroissement des performances immediat et important au niveau du systeme de gestion de fichiers repartis. On peut, en outre, installer un agent de regeneration du cote serveur pour produire une acceleration supplementaire des acces a l'antememoire.

Fulltext Availability:
Detailed Description

Detailed Description
... assume control during an access
request (i.e., there is no support for the Int2F **file** system
hook for **access** to the shared storage objects on the NT
Advanced Server). Accordingly, the present invention may
shadow the drive for the file system in order to intercept the

27/5,K/25 (Item 25 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00243118 **Image available**
DIRECT READ OF BLOCK COMPRESSED DATA FILE
LECTURE DIRECTE DE FICHIER DE DONNEES COMPRIMEES EN BLOC
Patent Applicant/Assignee:
SALIENT SOFTWARE INC,
Inventor(s):
CHAMBERS Lloyd Lamont IV,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9317393 A1 19930902
Application: WO 93US1891 19930219 (PCT/WO US9301891)
Priority Application: US 92840869 19920225
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: G06F-015/40
International Patent Class: G06F-15:407; G06F-05:00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 11475

English Abstract
A method and apparatus for reading and decompressing a subset (114) of a block compressed data file (112) in which three operating modes are used. The three operating modes are selected according to user access

privileges. A direct read mode for read only **access** , a **file** **shadowing** mode for read/write **access** when it is likely there will be no write, and a file putback mode, when it is likely that the file will be written to, are the three access modes. Data catching (160) is employed to improve system throughput and transparency. Access of individual blocks of compressed data is through a table of offsets (136), either stored in the compressed data file or constructed from scratch.

French Abstract

Appareil et methode de lecture et de decompressage d'un sous-ensemble (114) d'un fichier (112) de donnees comprimees en bloc mettant en oeuvre trois modes operatoires. Ces trois modes operatoires sont selectionnes en fonction du degre d'habilitation de l'usager. Il est prevu un mode de lecture directe, pour l'habilitation a la lecture seule, un mode occultation de fichier pour l'habilitation a la lecture et a l'ecriture lorsqu'il est probable que l'usager n'ecrira pas, et un mode ecriture, lorsqu'il est probable que le fichier recoive des elements. La mise en memoire cache de donnees (160) permet d'ameliorer le volume traite et la transparence du systeme. L'acces a chaque bloc de donnees comprimees s'effectue par une table de compensation (136) logee dans le fichier de donnees comprimees ou elaboree specialement.

Fulltext Availability:
Detailed Description
Claims

English Abstract

...modes are selected according to user access privileges. A direct read mode for read only **access** , a **file** **shadowing** mode for read/write **access** when it is likely there will be no write, and a file putback mode, when...

Detailed Description

... three operating modes,
is selected according to -access level permission requested by an application seeking **access** to the **file** , A direct read mode is used for read-only permission; a file **shadowing** mode is used for read/write permission when it is likely that the 20- application...

Claim

... the data access request.
2 4 . The apparatus of Claim 2 3 further comprising:
file **shadowing** means for **shadowing** the compressed. data **file** during read **access** requests.

25 The apparatus of Claim 23, further comprising:
file putback means for restoring the...

? t27/5,k/28

27/5,K/28 (Item 28 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00153060

PARALLEL MACHINE ARCHITECTURE FOR PRODUCTION RULE SYSTEMS
ARCHITECTURE DE MACHINE PARALLELE POUR DES SYSTEMES DE REGLES DE PRODUCTION

Patent Applicant/Assignee:
MARTIN MARIETTA ENERGY SYSTEMS INC,
Inventor(s):
ALLEN John Daniel Jr,
BUTLER Philip Lee,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8809972 A1 19881215
Application: WO 88US1901 19880609 (PCT/WO US8801901)
Priority Application: US 87976 19870609
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AT BE CH DE FR GB IT JP LU NL SE
Main International Patent Class: G06F-015/18
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 138162

English Abstract
A parallel processing system (2) for production rule programs utilizes a host processor (4) for storing production rule right hand sides (RHS) and a plurality of rule processors (6) for storing left hand sides (LHS). The rule processors operate in parallel in the recognize phase of the system recognize -Act Cycle- to match their respective LHS's against a stored list of working memory elements (WME) in order to find a self-consistent set of WME's. The list of WME is dynamically varied during the Act phase of the system in which the host executes or fires rule RHS's for those rules for which a self-consistent set has been found by the rule processors. The host (4) transmits instructions for creating or deleting working memory elements as dictated by the rule firings until the rule processors are unable to find any further self-consistent working memory element sets at which time the production rule system is halted.

French Abstract
Un systeme de traitement en parallele (2) pour la production de programmes de regles utilise un ordinateur central (4) pour stocker des parties droites (RHS) de regles de production et une pluralite de processeurs de regles (6) pour stocker des parties gauches (LHS). Les processeurs de regles fonctionnent en parallele dans la phase de reconnaissance du systeme - cycle d'action - pour faire correspondre leurs LHS respectives avec une liste memorisee d'elements memoire de travail (WME) de maniere a trouver un ensemble autoconsistant d'elements memoire de travail (WME). La liste des WME varie dynamiquement pendant la phase d'action du systeme dans lequel l'ordinateur central execute ou declenche les RHS pour les regles dont un ensemble autoconsistant a ete trouve par les processeurs de regles. L'ordinateur central (4) transmet des instructions pour creer ou effacer des elements memoire de travail comme cela est dicte par les declenchements de regle jusqu'a ce que les processeurs soient invalides dans le but de trouver d'autres eventuels ensembles d'elements memoire de travail autoconsistants, moments pendant lesquels le systeme de regle de production est arrete.

Fulltext Availability:
Detailed Description

Detailed Description
... raw 4*
n S Rule Processor Disk 1/0 PLB*01/07/86)
:;<OPEN-SCREEN) (**file** #-) (SERVER-1) W! 8 MST-SERVER

```
  GERVER-1) W@ (MAX01.0
  GERVER-2) W@ < SHADOW )
  c= L= n Ia le r-1
  Kedia switch) PLB*04/29/86)
  HEX
  CREATE...
?
```

```
File   6:NTIS 1964-2004/Jul W3
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File   2:INSPEC 1969-2004/Jul W2
         (c) 2004 Institution of Electrical Engineers
File   8:Ei Compendex(R) 1970-2004/Jul W2
         (c) 2004 Elsevier Eng.  Info. Inc.
File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Jun
         (c)2004 Info.Sources Inc
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Jul W3
         (c) 2004 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2004/May
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Jul W3
         (c) 2004 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2004/Jun W4
         (c)2004 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2004/Jun W1
         (c) 2004 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Jun
         (c) 2004 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Jul 21
         (c) 2004 The Gale Group
File 144:Pascal 1973-2004/Jul W2
         (c) 2004 INIST/CNRS
File 202:Info. Sci. & Tech. Abs. 1966-2004/Jul 12
         (c) 2004 EBSCO Publishing
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File 266:FEDRIP 2004/Jun
         Comp & dist by NTIS, Intl Copyright All Rights Res
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 483:Newspaper Abs Daily 1986-2004/Jul 20
         (c) 2004 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
         (c)2001 ProQuest Info&Learning

Set     Items   Description
S1     449511   FILE? ? OR FILESPACE? OR FILESYSTEM?
S2     458101   FILE?
S3     917839   ACCESS OR ACCESSE? ? OR ACCESSING OR ACCESSIB?
S4      17750   INACCESS? OR UNACCESS? OR NONACCESS? OR ACCESSLESS?
S5        159   S1:S2(5N)(ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?)
S6      12880   S1:S2(5N)S3:S4
S7      23793   CHECKPOINT? OR CONSISTENCYPOINT? OR (CHECK OR CONSISTENCY)-
                ()POINT? ?
S8      68085   TIME(3N)(CONSUME? ? OR CONSUMING OR CONSUMPT?) OR TIMECONS-
                UM?
S9      66407   (OPERATION? ? OR PROCESS??? ?)(3N)(LENGTHY? OR LENGTHI? OR
                LONG OR EXTRALONG OR PROLONG? OR EXTENSIVE? OR ELONGAT? OR PR-
                OTRACT? OR EXTENDED)
S10   1019156   TRUNCAT? OR DELET? OR PURG??? ? OR ELIMINAT?
S11    190254   ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?
S12      6831   S8(3N)(OPERATION? ? OR PROCESS??? ?)
S13        21   S6(S)S11
S14       803   S1:S2 AND (S9 OR S12)
S15        49   S14 AND S10
S16         0   S15 AND S7
```

S17	0	S14 AND S11
S18	2	S14 AND S7
S19	23	S13 OR S18
S20	10	S19/2001:2004
S21	13	S19 NOT S20
S22	12	RD (unique items)

22/7/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

6168035 INSPEC Abstract Number: C1999-03-7400-029
Title: A transparent checkpoint **facility on NT**
Author(s): Srouji, J.; Schuster, P.; Bach, M.; Kuzmin, Y.
Conference Title: Proceedings of the 2nd USENIX Windows NT Symposium p.77-85
Publisher: USENIX Assoc, Berkeley, CA, USA
Publication Date: 1998 Country of Publication: USA 173 pp.
ISBN: 1 880446 95 2 Material Identity Number: XX-1998-02272
Conference Title: Proceedings of 2nd USENIX Windows NT Symposium
Conference Date: 3-5 Aug. 1998 Conference Location: Seattle, WA, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: With the increased use of networks of NT workstations for **long** running engineering applications, **process checkpointing** and process migration can avoid wasted computer cycles and improve system utilization. The problem we solve is how to capture and reconstruct process state transparently and efficiently without affecting the correctness of the application. A **checkpoint** facility enables the intermediate state of a process to be saved to a **file** . Users can later resume execution of the process from the **checkpoint file** . This prevents the loss of data generated by **long** running **processes** due to program or system failures, and it also facilitates debugging when the bug appears after the program has executed for a long time. The paper describes the implementation of a **checkpoint** library that permits users to save temporary state of long running multi threaded programs on a Windows/NT system and to resume execution from the **checkpointed** state at a later time. Our Windows implementation is the first such implementation that we are aware of for this operating system. Our implementation is portable, maintains good performance, and is transparent. The **checkpoint** facility is currently used in several major internal projects at Intel. (9 Refs)
Subfile: C

22/7/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

4576924 INSPEC Abstract Number: B9402-6210L-143, C9402-7330-170
Title: A bidirectional ACR-NEMA interface between the VA's DHCP Integrated Imaging System and the Siemens-Loral PACS
Author(s): Kuzmak, P.M.; Dayhoff, R.E.
Author Affiliation: Dept. of Veterans Affairs, Washington Inf. Syst. Center, Silver Spring, MD, USA
Conference Title: Sixteenth Annual Symposium on Computer Applications in Medical Care p.40-4
Editor(s): Frisse, M.E.
Publisher: McGraw-Hill, New York, NY, USA
Publication Date: 1993 Country of Publication: USA xxvii+859 pp.

ISBN: 0 07 055023 9
U.S. Copyright Clearance Center Code: 0195-4210/93/$5.00
Conference Sponsor: American Medical Inf. Assoc.
Conference Date: 8-11 Nov. 1992 Conference Location: Baltimore, MD, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: At the Baltimore VA Medical Center, the DHCP Integrated Imaging System and a commercial picture archiving and communication system (PACS) work in concert to provide a wide range of departmental and hospital-wide imaging capabilities. An interface between the DHCP and the Siemens-Loral PACS systems enables patient text and image data to be passed between the two systems. The interface uses ACR-NEMA 2.0 standard messages extended with **shadow** groups based on draft ACR-NEMA 3.0 prototypes. A Novell **file** server, **accessible** to both systems via Ethernet, is used to communicate all the messages. Patient identification information, orders, ADT, procedure status, changes, patient reports, and images are sent between the two systems across the interface. The systems together provide an extensive set of imaging capabilities for both the specialist and the general practitioner. (9 Refs)
Subfile: B C

22/7/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

02776526 INSPEC Abstract Number: C87003374
Title: LAZER (DBMS)
Author(s): Mallery, D.
Journal: DEC Professional vol.5, no.9 p.88, 90-3
Publication Date: Sept. 1986 Country of Publication: USA
CODEN: DECPDJ ISSN: 0744-9216
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P); Product Review (R)
Abstract: LAZER is a full DBMS in the classic sense, supports roll back and forth, **shadows** files, liberates you from the overhead of RMS and does the other things you expect of a DBMS kernel. However, it has a few differences. It is not relational, but rather network. It was modeled on Total, an old mainframe standby. Network means that the linkages between data elements are defined in the design and are implemented as linked lists with pointers in the data, rather than using tree structure indices. The primary files in LAZER are classic hashed random **access** with synonym resolution. Hashed **files** have a single key to the primary file and secondary keys are not directly available. (0 Refs)
Subfile: C

22/7/6 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06786254 E.I. No: EIP04148093000
Title: SFS: A Universal File System Cache for Disconnected FS Operations
Author: Chang, Henry; Novak, Frank; Tait, Carl; Hortensius, Peter
Corporate Source: IBM T.J. Watson Research Center, Yorktown Heights, NY 10598, United States
Conference Title: Joint Conference on Information Sciences - Proceedings, Abstracts and Summaries '94
Conference Location: Pinehurst, NC, United States Conference Date:

19941101-19941101
E.I. Conference No.: 62516
Source: Proceedings of the Joint Conference on Information Sciences 1994.
Publication Year: 1994
Language: English
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)
Journal Announcement: 0404W1
Abstract: This paper describes the **Shadow** File System (SFS), a universal file system cache manager on OS/2 and Windows that supports operations involving disconnectable file systems such as network (LAN) file servers, peer-to-peer file servers and docking station disk drives. SFS is a file system redirector that intercepts file system calls to remote file systems. It provides whole-file caching while connected, and uses cached copies to simulate remote file system service during periods of disconnection. Modified files and directories are synchronized at reconnection time; any conflicting updates are reported to the user. We call SFS a universal file system because it is server-independent. This is a result of two features of the design. First, SFS is a client-side-only solution; no changes are required to server code. Second, remote drives are always **accessed** through drive letters: any remote **file** system that exports a drive to the local PC operating system can be managed by SFS. SFS is inspired by Coda left bracket Satyanarayanan92, Honeyman93 right bracket . a disconnection-enabled caching file system. SFS, however, must deal with issues of consistency, synchronization, and conflict resolution in a multi-server, multi-platform PC computing environment. 6 Refs.

22/7/7 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00614828 00IK11-214
Last line data defenses -- Options emerge for enterprises that need an extra layer of security
Yasin, Rutrell
InternetWeek , November 20, 2000 , n838 p29-32, 2 Page(s)
ISSN: 0746-8121
Company Name: Cyber-Ark Software; Gianus Technologies
Product Name: PrivateArk; Phantom
Reports on the emergence of innovative approaches to securing data and other critical information technology (IT) resources. Says that Tel Aviv, Israel-based security supplier Cyber-Ark Software Ltd. has introduced PrivateArk, a virtual network vault for secured data. Mentions that Milan, Italy-based security vendor Gianus Technologies has launched **Phantom** software which splits a hard drive into two halves, making the portion that contains valuable data invisible to unauthorized users. Indicates that both approaches reflect the need for higher levels of security as hackers successfully penetrate the internal networks of leading companies such as Microsoft. Explains that PrivateArk combines several layers of proprietary technology in a dedicated appliance, namely authentication, **access** control, encryption, **file access** control, firewall, and virtual private networking functions. Includes a diagram. (MEM)

22/7/9 (Item 3 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00321392 93HP08-001
Come together -- HP's SharePlex/iX offers mainframe users yet another

alternative when downsizing
Sharp, Bill
HP Professional , August 1, 1993 , v7 n8 p22-28, 5 Page(s)
ISSN: 0986-145X
Company Name: Hewlett-Packard
Product Name: SharePlex/iX
Presents an overview of Hewlett-Packard's SharePlex/iX. Although HP has been known for its minicomputers and its workstations, not many people think of Hewlett-Packard as a source for clustered computer systems. Says this new system, developed along with Quest Software Inc. of Newport Beach CA, is HP's answer to other manufacturer's clusters. Key parts of the SharePlex/iX system include: network **file access** , print spooling, disk **shadowing** , and system monitoring and terminal control across the entire system from one location. Although Digital Equipment Corp. is considered the leader in clustering of systems, says this latest system from HP and Quest Software does bring the cost down and availability of clustered systems up. Includes a table comparing the setup and operations, systems management, availability/functionality and user resource sharing of six different computer clusters. Contains one diagram and one illustration. (GMR)

22/7/10 (Item 4 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00318463 93IT07-053
Hennepin County Library goes online with a Sequoia computer & Dynix application
Information Today , July 1, 1993 , v10 n7 p34, 1 Page(s)
ISSN: 8755-6286
Company Name: Dynix; Sequoia Systems; Hennepin County Library
Product Name: Dynix Automated Library System
Hennepin County Library of Minnetonka, MN, which serves 60,000 patrons with its collection of over 200,000 catalogued titles, has installed a continuously-available computer system to track its nine million books circulated annually. It will replace the microfiche used to locate a book. The Sequoia computer system costs over $2 million, and is a multiprocessing system with six processors and 18GB of **shadowed** disk. The Dynix Automated Library System software is designed for library database management and for **accessing** online bibliographic **files** ; its modules include Cataloging, Circulation, Public Access, Acquisition, Serials, Reserve Book Room, Journal Citation, Media Scheduling, Homebound, and Information & Referral/Community Resources, with all modules integrated with the common catalog database. (jo)

22/7/11 (Item 5 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00200936 89PI09-034
Hyundai Super-286N
Brown, Bruce
PC Magazine , September 12, 1989 , v8 n15 p204, 1 Pages
ISSN: 0888-8507
Presents a mixed review of the Hyundai Super-286N ($1,595-$3,569), a 12 MHz 286-based computer from Hyundai Electronics America, San Jose, CA (800, 408). The base configuration includes 1MB RAM, 5 1/4 inch high density floppy drive, DOS 3.3, GW-BASIC, one serial port, one parallel port, and

diagnostic software. The clock is switchable between 6 and 12 MHz, and it achieved good scores on the large-record DOS **File Access** test. It uses **shadow** RAM and video, and has support for LIM 4.0 expanded memory built in. Says it offers good performance, but at a non-competitive price. Includes one photo. (djd)

22/7/12 (Item 1 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily

06055527 SUPPLIER NUMBER: 55074409
HACKER SLEUTHS FIND POSSIBLE PLANS FOR ATTACK ON WEB SITES
Anonymous
St. Louis Post - Dispatch, p 19
Jun 10, 2000
NEWSPAPER CODE: SL
DOCUMENT TYPE: PROFILE HACKERS; Newspaper article
LANGUAGE: English RECORD TYPE: ABSTRACT

ABSTRACT: Prompted by an attack on one of their own computers, Network Security Technologies investigators unraveled a possible attack on major Web sites and about 2,000 compromised computers, mostly belonging to home users. The hackers had access to all the computers' secrets - passwords, personal files and all - and can at any point launch a crippling assault similar to February's attacks that included CNN's news site, the Yahoo! Internet directory and Amazon.com. The hackers planted a file that looks like a movie clip on home and commercial computers across the world. The file essentially turns the infected computer into a " **zombie** " machine that the hackers can control, Network Security said. The company has dubbed the file "Serbian Badman Trojan." Armed with information gleaned from the infected computers, the hackers can then use the infected computer as a permanent gateway to **access** personal and corporate **files** or to launch massive denial of service attacks on Web sites.
?

File   9:Business & Industry(R) Jul/1994-2004/Jul 21
         (c) 2004 The Gale Group
File 16:Gale Group PROMT(R) 1990-2004/Jul 22
         (c) 2004 The Gale Group
File 47:Gale Group Magazine DB(TM) 1959-2004/Jul 22
         (c) 2004 The Gale group
File 148:Gale Group Trade & Industry DB 1976-2004/Jul 22
         (c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Jul 22
         (c) 2004 The Gale Group
File 570:Gale Group MARS(R) 1984-2004/Jul 22
         (c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Jul 22
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Jul 22
         (c) 2004 The Gale Group
File 649:Gale Group Newswire ASAP(TM) 2004/Jul 20
         (c) 2004 The Gale Group

Set	Items	Description
S1	3071741	FILE? ? OR FILESPACE? OR FILESYSTEM?
S2	3102843	FILE?
S3	4936259	ACCESS OR ACCESSE? ? OR ACCESSING OR ACCESSIB?
S4	24763	INACCESS? OR UNACCESS? OR NONACCESS? OR ACCESSLESS?
S5	1242	S1:S2(5N)(ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?)
S6	109708	S1:S2(5N)S3:S4
S7	51281	CHECKPOINT? OR CONSISTENCYPOINT? OR (CHECK OR CONSISTENCY)-()POINT? ?
S8	201942	TIME(3N)(CONSUME? ? OR CONSUMING OR CONSUMPT?) OR TIMECONSUM?
S9	160128	(OPERATION? ? OR PROCESS??? ?)(3N)(LENGTHY? OR LENGTHI? OR LONG OR EXTRALONG OR PROLONG? OR EXTENSIVE? OR ELONGAT? OR PROTRACT? OR EXTENDED)
S10	1751672	TRUNCAT? OR DELET? OR PURG??? ? OR ELIMINAT?
S11	272143	ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?
S12	96	S6(15N)S11
S13	29323	S8(3N)(OPERATION? ? OR PROCESS??? ?)
S14	6159	S1:S2(S)(S9 OR S13)
S15	518	S14(S)S10
S16	0	S15(S)S7
S17	7	S14(S)S7
S18	14	S14(S)S11
S19	117	S12 OR S17:S18
S20	26	S19/2001:2004
S21	91	S19 NOT S20
S22	55	RD (unique items)

22/2,K/2   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07817714   Supplier Number: 65295001 (USE FORMAT 7 FOR FULLTEXT)
The Hill School Uses ADIC StorNext to Simplify Data Management: A Case Study.
Business Wire, p0064
Sept 19, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 964

PUBLISHER NAME: Business Wire
COMPANY NAMES: *Advanced Digital Information Corp.
GEOGRAPHIC NAMES: *1USA (United States)
PRODUCT NAMES: *3661257 (LAN/WAN Adapters); 3679582 (Liquid Crystal Displays)
INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)
SIC CODES: 3661 (Telephone and telegraph apparatus); 3679 (Electronic components, not elsewhere classified)
NAICS CODES: 33421 (Telephone Apparatus Manufacturing); 334419 (Other Electronic Component Manufacturing)
SPECIAL FEATURES: COMPANY

... grow."
In addition to video, the StorNext capacity is being used for other large static **files** that are **accessed** infrequently. "It holds PowerPoint presentations and the image files we use with Norton's **Ghost** software to configure our nearly 900 computers. Image-based configuration lets us set up new...

22/2,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07216519 Supplier Number: 61353386 (USE FORMAT 7 FOR FULLTEXT)
TRANSMETA BREAKS X86 LOW-POWER BARRIER: VLIW Chips Use Hardware-Assisted x86 Emulation. (Product Announcement)
Halfhill, Tom R.
Microprocessor Report, v14, n2, pNA
Feb, 2000
ISSN: 0899-9341
Language: English Record Type: Fulltext
Article Type: Product Announcement
Document Type: Newsletter; Trade
Word Count: 7006
PUBLISHER NAME: Cahners Publishing Company
COMPANY NAMES: *Transmeta Corp.
EVENT NAMES: *336 (Product introduction)
GEOGRAPHIC NAMES: *1USA (United States)
PRODUCT NAMES: *3674124 (Microprocessor Chips)
INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation)
SIC CODES: 3674 (Semiconductors and related devices)
NAICS CODES: 334413 (Semiconductor and Related Device Manufacturing)
TRADE NAMES: Transmeta Crusoe (Microprocessor)
SPECIAL FEATURES: COMPANY

... software, and some of the features are unmistakably x86-specific. One example is the register **files** , which have 160 physical registers. These include 64 GPRs with 48 **shadow** registers and 32 FPRs with 16 **shadow** registers. The GPRs are 32 bits wide and support partial-register writes, just like real x86 registers. The FPRs are 80 bits wide, so they can directly support x86 **extended** -precision floating-point **operations** . (Compaq's FX!32 emulator for Alpha requires extra steps to support 80-bit math...

22/2,K/4 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07080189 Supplier Number: 59624575 (USE FORMAT 7 FOR FULLTEXT)
HP OpenMail Call For Linux.(Product Announcement)
Maley, Ryan
HP Professional, v14, n2, p22
Feb, 2000
ISSN: 0896-145X
Language: English Record Type: Fulltext Abstract
Article Type: Product Announcement
Document Type: Magazine/Journal; Trade
Word Count: 979
PUBLISHER NAME: Boucher Communications, Inc.
COMPANY NAMES: *Hewlett-Packard Co.; Red Hat Software Inc.
EVENT NAMES: *336 (Product introduction)
GEOGRAPHIC NAMES: *1USA (United States)
PRODUCT NAMES: *7372605 (Electronic Mail Software); 7372502 (Operating Systems)
INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation)
NAICS CODES: 51121 (Software Publishers)
TRADE NAMES: OpenMail for Linux (E-mail); Red Hat Linux 6.1 (Operating system)
SPECIAL FEATURES: COMPANY

... MD5 and shadow passwords. MD5 passwords allows extra long passwords up to 255 characters. The **shadow** password system stores the passwords in the/etc/ **shadow** file instead of the/etc/password **file** . The **shadow** **file** is **accessible** only by root and helps with the most basic hacker attack, a brute force attack...

22/2,K/9 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05335393 Supplier Number: 48118432 (USE FORMAT 7 FOR FULLTEXT)
Sun Breaks Through Stormy Network Clouds
Gerdt, Michael
Network Computing, p46
Nov 11, 1997
ISSN: 1046-4468
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1359
PUBLISHER NAME: CMP Publications, Inc.
COMPANY NAMES: *Sun Microsystems Inc.
EVENT NAMES: *350 (Product standards, safety, & recalls)
GEOGRAPHIC NAMES: *1USA (United States)
PRODUCT NAMES: *7372620 (Network Software)
INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation)
NAICS CODES: 51121 (Software Publishers)
TICKER SYMBOLS: SUNW
SPECIAL FEATURES: COMPANY

... the same hardware running Solaris 2.5.1.
Solstice TotalNET Solstice TotalNET Advanced Server provides **access** to a common **file** system through the Server Message Block (SMB), NetWare and AppleShare protocols. **Shadow** directories and files maintain extended attributes for AppleTalk and OS/2 NetBIOS clients. They support...

22/2,K/13 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03307292 Supplier Number: 44568725 (USE FORMAT 7 FOR FULLTEXT)
Whose Desktop Database Scales?
Network Computing, pCS3
April 1, 1994
ISSN: 1046-4468
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1295
PUBLISHER NAME: CMP Publications, Inc.
EVENT NAMES: *600 (Market information - general)
GEOGRAPHIC NAMES: *1USA (United States)
PRODUCT NAMES: *7372420 (Database Software)
INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation)
NAICS CODES: 51121 (Software Publishers)

... it a cut above some competitors, but its transaction management model is flawed. If the **file** server crashes while **Access** is writing updates from its temporary ' **shadow** ' file to the real database, the database will be updated only partially and therefore will...

22/2,K/14 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

02046166 Supplier Number: 42641384 (USE FORMAT 7 FOR FULLTEXT)
The Network Archivist
Network Computing, p70
Jan, 1992
ISSN: 1046-4468
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1187
PUBLISHER NAME: CMP Publications, Inc.
COMPANY NAMES: *Palindrome Corp.
EVENT NAMES: *340 (Product specifications)
GEOGRAPHIC NAMES: *1USA (United States)
PRODUCT NAMES: *7372540 (Desktop Utilities)
INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation)
NAICS CODES: 51121 (Software Publishers)
SPECIAL FEATURES: COMPANY

... If a user has loaded a special TNA TSR, when he or she attempts to **access** one of these **phantom files** , a message will pop up, explaining that the file has been migrated to tape.
Whole...

22/2,K/19 (Item 5 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

04134005 SUPPLIER NUMBER: 16201882 (USE FORMAT 7 OR 9 FOR FULL TEXT)

HSM systems take the heat off primary storage. (Tech View) (hierarchical storage management) (PC Week Netweek)
Phillips, Ken
PC Week, v11, n33, pN1(2)
August 22, 1994
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1540 LINE COUNT: 00121

DESCRIPTORS: Disk drives--Usage
FILE SEGMENT: CD File 275

... of MIGRATE volumes. The next version of NetSpace is slated to eliminate the need for **SHADOW** volumes, according to Avail officials.
NetSpace migrates files in what Avail calls BAGs (Backup **Access** Groups) rather than in individual **files** , although the file locations are tracked. BAGs are typically 100M bytes in size, or the...

22/2,K/20 (Item 6 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03961469 SUPPLIER NUMBER: 14421228 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NetWare, version 4.0. (Novell Inc.) (Software Review) (one of seven evaluations of network operating systems in 'Playing the Odds') (Evaluation)
Boyle, Padraic
PC Magazine, v12, n18, p314(3)
Oct 26, 1993
DOCUMENT TYPE: Evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1372 LINE COUNT: 00103

SPECIAL FEATURES: illustration; table; chart
COMPANY NAMES: Novell Inc.--Products
SIC CODES: 7372 Prepackaged software
TICKER SYMBOLS: NOVL
TRADE NAMES: NetWare 4.0 (Network operating system)--evaluation
FILE SEGMENT: CD File 275

... to set flags on files by date and move them off to other media. A **phantom** stub is left on the volumes so that if a user attempts to **access** the **file** , it is copied back over transparently.
With NetWare 4.0, Novell also adds Windows-based...

22/2,K/22 (Item 8 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

03164884 SUPPLIER NUMBER: 07688132 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mind your backups. (product announcement)
Rosch, Winn L.
PC-Computing, v1, n4, p58(1)
Nov, 1988
DOCUMENT TYPE: product announcement ISSN: 0899-1847 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 508 LINE COUNT: 00037

SPECIAL FEATURES: illustration; photograph

COMPANY NAMES: Palindrome Corp.--Products
DESCRIPTORS: Information storage and retrieval--Equipment and supplies; Information storage and retrieval systems--Product introduction
SIC CODES: 3572 Computer storage devices
TRADE NAMES: Personal Archives (Tape storage device)--Product introduction
FILE SEGMENT: CD File 275

... in place of the originals. A memory-resident portion of Personal Archives detects attempts to **access** these **phantom files** and instructs you to put the appropriate tape in the drive to bring the file...
? t22/3,k/32,34,38,41-42,44,46

22/3,K/32 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02192400 SUPPLIER NUMBER: 19758640 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Logging logins. (logdaemon Unix security software) (Technology Information)
LeFebvre, William
UNIX Review, v15, n11, p27(2)
Oct, 1997
ISSN: 0742-3136 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1395 LINE COUNT: 00118

...ABSTRACT: any enterprise environment. Such software packages also provide Unix network administrators with utilities such as **shadow** password **files** , scalable **access** control and user authentication through SecureNet and S/Key cards. Remote users attempting to gain...

22/3,K/34 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02099936 SUPPLIER NUMBER: 19709581 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Raising the bar. (Legato Systems' NetWorker Client for MPE/iX backup software) (Product Announcement)
Diamond, Sam
HP Professional, v11, n7, p46(2)
July, 1997
DOCUMENT TYPE: Product Announcement ISSN: 0896-145X LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 730 LINE COUNT: 00062

... documents the savesets and their locations in its library index--and can even maintain a **shadow** entry in end-user directories for these archived **files** --end users can **access** ths **files** as they are needed.
The NetWorker client for MPE/iX product is available directly from...

22/3,K/38 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01723361 SUPPLIER NUMBER: 16314509 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Network backup with the HP C1553A DDS autoloader. (DAT tape drive) (sidebar to "DDS-2 Tape Autoloader: High-Capacity Data Storage in a 5.25-inch Form Factor")

Bertagne, Michael G.
Hewlett-Packard Journal, v45, n6, p18(2)
Dec, 1994
ISSN: 0018-1153 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1716 LINE COUNT: 00130

... frequently, but that the majority are older files used infrequently. Hierarchical Storage Management software tracks **file access** and automatically migrates infrequently used **files** to a lower-cost storage medium. Although the file is stored on another device, a **phantom** file of zero size is left in the original directory. As far as the user...

22/3,K/41 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01642720 SUPPLIER NUMBER: 15579089
Folio to open infobase architecture; extending electronic publishing. (Folio Corp's Folio Views 3.1 text processing software)
Berry, Margaret
Workgroup Computing Report, v17, n6, p28(4)
June, 1994
ISSN: 1068-9699 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: importing a word processing document. Key features of Views include real-time edit and updating, **access** rights management, creation of **shadow files** , flexible fields and query templates. Client APIs enable users to create object handlers, design filters...

22/3,K/42 (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01614857 SUPPLIER NUMBER: 14203249 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Come together: HP's SharePlex/iX offers mainframe users yet another alternative when downsizing. (Enterprise Computing) (Cover Story)
Sharp, Bill
HP Professional, v7, n8, p22(5)
August, 1993
DOCUMENT TYPE: Cover Story ISSN: 0896-145X LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2231 LINE COUNT: 00177

... in the SharePlex/iX system include:
* NetBase node coupling software from Quest, which provides network **file access** , print spooling, **shadowing** to replicate data or applications across a LAN or WAN and AutoRPM for transparent execution...

22/3,K/44 (Item 13 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01606191 SUPPLIER NUMBER: 13998137 (USE FORMAT 7 OR 9 FOR FULL TEXT)
GNU's not UNIX. (UNIX Regular; the Free Software Foundation's free GNU UNIX-like operating system is now available on CD-ROM)
Collinson, Peter

EXE, v8, n1, p82(4)
June, 1993
ISSN: 0268-6872 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3669 LINE COUNT: 00261

... CD file system. You wander about the parallel file system and the CD is only **accessed** when you open a **file** . The advantage of this that you can compile programs in your **shadow** structure as if the files had been copied. Since the shadow filesystem is on writable...

22/3,K/46 (Item 15 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01462389 SUPPLIER NUMBER: 11577134 (USE FORMAT 7 OR 9 FOR FULL TEXT)
At the core: harvesting the fruits of peer to peer, dedicated server, and distributed Macintosh NOS offerings. (network operating systems)
Dougherty, Elizabeth
LAN Magazine, v6, n11, p46(6)
Nov, 1991
ISSN: 0898-0012 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3188 LINE COUNT: 00252

... files on that machine are unavailable. DataClub tracks machines that are temporarily unavailable and displays **ghost** icons. You can **access** information about those **files** and applications, but you can't use them.
DataClub Classic costs $175 for one user...
? t22/3,k/47-51,53,55

22/3,K/47 (Item 16 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01452726 SUPPLIER NUMBER: 10567693 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DECnet security. (includes related article about DEC's Integrated Security Program)
Clyde, Robert A.
DEC Professional, v10, n4, p38(5)
April, 1991
ISSN: 0744-9216 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2434 LINE COUNT: 00201

... manager: accounting [underscore] report.com
The user account for executing the batch procedure is the **phantom** subject used to **access** the batch procedure **file** . You can restrict remote batch **access** by placing access control lists on the SYS$BATCH queue to disallow access from anyone...

22/3,K/48 (Item 17 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01447039 SUPPLIER NUMBER: 11134609 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Structured growth. (Software Review) (Quest Software Inc.'s NetBase) (evaluation)
Frueh, George T.
HP Professional, v5, n8, p24(1)

August, 1991
DOCUMENT TYPE: evaluation ISSN: 0896-145X LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 462 LINE COUNT: 00038

...ABSTRACT: systems appearing as a single computer. The elements of NetBase consist of Network Spooling, Network **File Access** , **Shadowing** , Statistics, and Automatic Remote Process Management. Depending on the CPU (central processing unit) configuration, NetBase...
... Application programs and 4GLs access files and databases across a network without knowing where the **files** reside or how to **access** them.
NetBase Components
The individual components of NetBase are Network **File Access** , Network Spooling, **Shadowing** , Statistics and Automatic Remote Process Management.
Network **File Access** is the ability to locate IMAGE databases, KSAM files or other MPE files anywhere in...

22/3,K/49 (Item 18 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01381014 SUPPLIER NUMBER: 09558909 (USE FORMAT 7 OR 9 FOR FULL TEXT)
login: fred; password: XXXX. (password selection in UNIX) (tutorial)
Collinson, Peter
EXE, v5, n5, p76(2)
Oct, 1990
DOCUMENT TYPE: tutorial ISSN: 0268-6872 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2291 LINE COUNT: 00168

... of ones that I can remember.
Recently, people have begun to put their trust in ' **shadow** password files'. Rather than installing the encrypted password in an easily **accessible** /etc/passwd **file** , it is stored in a special file. The passwd and login programs look in this...

22/3,K/50 (Item 19 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01378412 SUPPLIER NUMBER: 09409227 (USE FORMAT 7 OR 9 FOR FULL TEXT)
HP MAP 3.0 File Transfer, Access, and Management/800. (Hewlett-Packard's Manufacturing Automation Protocol implementation)
Manweiler, Steven W.
Hewlett-Packard Journal, v41, n4, p24(7)
August, 1990
ISSN: 0018-1153 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5854 LINE COUNT: 00453

... requires the support of attributes that do not map naturally to HP-UX file systems, **shadow** files are used to store various FIAM file attributes. One **shadow file** exists for each **file accessible** with FIAM. A **shadow file** resides in the same directory as the file it

describes and makes use of a...

22/3,K/51 (Item 20 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01364707 SUPPLIER NUMBER: 08609258 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Two sides of a coin: Turbocache and Turbodisk. (Software Review) (evaluation)
Charalambides, Stellos
DEC User, p83(2)
June, 1990
DOCUMENT TYPE: evaluation ISSN: 0263-6530 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1677 LINE COUNT: 00123

... memory, called VMAO:, VMAL:, and so on. Files can be placed on this device and **accessed** just like ordinary **files** . If the files on the virtual device are read/write then you can set up **shadow** recording to ensure that data written to the files is shadowed to a real disc...

22/3,K/53 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01007239 Supplier Number: 39567469 (USE FORMAT 7 FOR FULLTEXT)
SOFTWARE INTERNATIONAL OFFERS SMART LINK MICRO-TO-HOST LINK FOR SYSTEM/38
PR Newswire, pN/A
August 2, 1985
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 640

... files
through online, realtime extraction of live data (not through batch-processing mechanisms that create **shadow** **files** for **access** by the PC)
* Ability to upload data to the host (for example, budget information) under...

22/3,K/55 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01175290 Supplier Number: 41043883 (USE FORMAT 7 FOR FULLTEXT)
Background: Ceres tool works!
Dealing With Technology, v2, n2, pN/A
Dec, 1989
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1218

... also under development.
The Kernel also providesother basic facilities such as inter-process communications, secure **file** **access** by disk **shadowing** and support for hot-standby processing byprocess **shadowing** . The underlying communications used depends upon the operating system; DECNET for VAX/VMS, UDP/TCP...
?

```
File 696:DIALOG Telecom. Newsletters 1995-2004/Jul 20
         (c) 2004 The Dialog Corp.
File  15:ABI/Inform(R) 1971-2004/Jul 21
         (c) 2004 ProQuest Info&Learning
File  98:General Sci Abs/Full-Text 1984-2004/Jun
         (c) 2004 The HW Wilson Co.
File 484:Periodical Abs Plustext 1986-2004/Jul W1
         (c) 2004 ProQuest
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 613:PR Newswire 1999-2004/Jul 22
         (c) 2004 PR Newswire Association Inc
File 635:Business Dateline(R) 1985-2004/Jul 21
         (c) 2004 ProQuest Info&Learning
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 610:Business Wire 1999-2004/Jul 22
         (c) 2004 Business Wire.
File 369:New Scientist 1994-2004/Jul W2
         (c) 2004 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
         (c) 1999 AAAS
File  20:Dialog Global Reporter 1997-2004/Jul 22
         (c) 2004 The Dialog Corp.
File 624:McGraw-Hill Publications 1985-2004/Jul 20
         (c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2004/Jul 21
         (c) 2004 San Jose Mercury News
File 647:CMP  Computer Fulltext 1988-2004/Jul W2
         (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Jun W4
         (c) 2004 IDG Communications

Set     Items   Description
S1    2656154   FILE? ? OR FILESPACE? OR FILESYSTEM?
S2    2674638   FILE?
S3    3776218   ACCESS OR ACCESSE? ? OR ACCESSING OR ACCESSIB?
S4      32792   INACCESS? OR UNACCESS? OR NONACCESS? OR ACCESSLESS?
S5        745   S1:S2(5N)(ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?)
S6      54530   S1:S2(5N)S3:S4
S7      83200   CHECKPOINT? OR CONSISTENCYPOINT? OR (CHECK OR CONSISTENCY)-
             ()POINT? ?
S8     155543   TIME(3N)(CONSUME? ? OR CONSUMING OR CONSUMPT?) OR TIMECONS-
             UM?
S9     159023   (OPERATION? ? OR PROCESS??? ?)(3N)(LENGTHY? OR LENGTHI? OR
             LONG OR EXTRALONG OR PROLONG? OR EXTENSIVE? OR ELONGAT? OR PR-
             OTRACT? OR EXTENDED)
S10   1403340   TRUNCAT? OR DELET? OR PURG??? ? OR ELIMINAT?
S11    467427   ZOMBIE? OR PHANTOM? OR SHADOW? OR GHOST?
S12     21460   S8(3N)(OPERATION? ? OR PROCESS??? ?)
S13        43   S6(15N)S11
S14      4655   S1:S2(S)(S9 OR S12)
S15       354   S14(S)S10
S16         1   S15(S)S7
S17         2   S14(S)S7
S18        10   S14(S)S11
S19        55   S13 OR S16:S18
S20        30   S19/2001:2004
S21        25   S19 NOT S20
S22        22   RD (unique items)
```

22/3,K/14 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01145571 CMP ACCESSION NUMBER: NWC19971115S0021
Sun Breaks Through Stormy Network Clouds
Michael Gerdt
NETWORK COMPUTING, 1997, n 821, PG46
PUBLICATION DATE: 971115
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Sneak Previews
WORD COUNT: 1331

... the same hardware running Solaris 2.5.1.
Solstice TotalNET Solstice TotalNET Advanced Server provides **access** to a common **file** system through the Server Message Block (SMB), NetWare and AppleShare protocols. **Shadow** directories and files maintain extended attributes for AppleTalk and OS/2 NetBIOS clients. They support ...

22/3,K/17 (Item 4 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01024297 CMP ACCESSION NUMBER: WIN19940101S4067
NT and OS/2 Go Head-to-Head (Windows NT, OS/2 2.1)
John Ruley
WINDOWS MAGAZINE, 1994, n 501 , 262
PUBLICATION DATE: 940101
JOURNAL CODE: WIN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Reviews
WORD COUNT: 5155

... shadow (a copy of the object's icon) that is linked to the parent object. **Shadows** provide you with multiple ways to **access** your **files** and programs. OS/2 adds to the utility of WPS by allowing folders to be...

22/3,K/18 (Item 5 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01023788 CMP ACCESSION NUMBER: NWC19940404S3546
Whose Desktop Database Scales?
Richard Finkelstein
NETWORK COMPUTING, 1994, n 504
PUBLICATION DATE: 940404
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Client/Server Databases

TEXT:
... it a cut above some competitors, but its transaction management model is flawed. If the **file** server crashes while **Access** is writing updates from its temporary " **shadow** " file to the real database, the database will be updated only partially and therefore will...

22/3,K/19 (Item 6 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

00541851 CMP ACCESSION NUMBER: VAR19931101S0197
Comdex Buyers' Guide (Comdex Buyers' Guide)
Frank Hertz
VARBUSINESS, 1993, n 917 , 104
PUBLICATION DATE: 931101
JOURNAL CODE: VAR LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Special Section
WORD COUNT: 5085

... and multiuser editing and annotation for up to 125 simultaneous users in the same infobase **file** . VIEWS also offers " **shadow files** ," which overlay the master infobase and lets users make changes without altering the original document. **Shadow files** can be shared in a work group or distributed to update a prepublished infobase. Folio...

...in real-time. There's also point-and-click import/export filters for popular word **processing** formats. **Extensive** navigation includes backtrack, show trail, next hit, previous hit and a list of bookmarks.
Price...

22/3,K/20 (Item 7 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

00520408 CMP ACCESSION NUMBER: NWC19920101S4575
Tackling some of the many issues involved in launching large network backups, we decided to put five tape-based products thro... (Putting Tape To The Test)
Lee Schlesinger, Barry Gerber, Diane Danielle
NETWORK COMPUTING, 1992, n 301 , 66
PUBLICATION DATE: 920101
JOURNAL CODE: NWC LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 5303

... If a user has loaded a special TNA TSR, when he or she attempts to **access** one of these **phantom files** , a message will pop up, explaining that the file has been migrated to tape.
Whole...
?